Godzilla Kaiju Wars Deluxe™
Operator's Manual

GODZILLA
KAIJU WARS™

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Safety

Operation

Before operating game, read this manual. Failure to properly install and operate this game could result in malfunction or accident. Operate the game in accordance with the manual.

Transporting

It is preferred that the main cabinet be moved to or very near its desired operational location before beginning any of the set-up tasks. It is also strongly recommended that the game NOT be moved with the top monitor installed. It contains fragile glass and electronic components. Avoid rough handling.

Handling Components

Many components are extremely sensitive to handling, environmental and Electrostatic Discharge (ESD) events—especially the computer. Do not handle it roughly. Before servicing, contact your distributor and inquire about the PC warranty. Use proper ESD procedures when servicing. Protect components from harmful environmental conditions, such as extreme temperatures, excessive moisture, or other damaging effects.

Disconnect Power

Always turn the power off and unplug the unit before servicing or making adjustments unless otherwise instructed. Installing or repairing components while power is on can damage the components and void the warranty.

Grounding

Avoid electrical shock. Do not plug in AC power until you have inspected and properly grounded the unit. Only plug into a grounded, three-wire outlet. Do not use a “cheater” plug or cut off the ground pin on the line cord.

Electrical Shocks

There is no isolation transformer in the cabinet. Disconnect AC power before servicing. However, be aware that lethal voltages can remain in the electronic components even when AC power is disconnected. Use extreme caution when servicing. Verify that there is a working ground connection. If the unit sustains water damage, cease using it immediately and unplug AC power.

Monitor

The monitors contain no user serviceable parts. Do not attempt to service the monitors.

Power Selector

The game is fixed for operation at either 120VAC or 230VAC, indicated by a large orange label on the back of the cabinet. The accepted AC mains voltage cannot be modified by the operator.

Power Cord

If the power cord is damaged or lost, replace it with an identical cord as supplied by the manufacturer or an authorized service agent.

Surge Suppressor

It is recommended that you plug your game’s power cord into a surge suppressor to help protect from power surges that may damage sensitive electronic components.

Water and Other Liquid Sources

Do not install game near sprinkler or other water jet sources. Do not use water jet to clean game. Keep minimum clearance behind game and wall for proper ventilation but also prevent access of liquid from spills and sprays from entering ventilation holes.

Connectors

When servicing machine, ensure all connectors mate properly. If connectors do not slip in easily, do not force them. Connectors are often keyed and only connect one way. Check for correct orientation.

Computer

The computers contain sensitive components, including a hard drive. Do not handle it roughly. Contact your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.
Cycle AC power on or off with the cabinet power switch.
A dongle has been inserted into one of the USB ports. This is required for game play.
Do not remove the dongle except for troubleshooting purposes.

Tempered Glass Warning

When handling the LCD display glass cover take special care and set the glass down softly on a flat surface free of debris. The edge of the glass is sensitive to hard impact. Shattered glass from the monitor can travel long distances and cause bodily injury. Use proper procedures when handling broken materials.

Ventilation

It is critical that the game is installed in a manner that allows for proper ventilation and air flow. Game must be installed so that there is a minimum amount of clearance between the wall or another game to allow good air circulation through the game cooling fan and vents.

Hazard to Epileptics

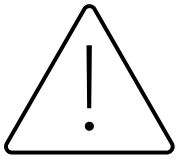
A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizure while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physical before using video games. While children play video games, a parent should observe. Be alert to the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation, or convulsions. If you or your child experiences these symptoms, discontinue use immediately and consult your physician.

Manual

Keep this manual available and ready for use. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. You may not reproduce this document or any of its contents without written authorization from Raw Thrills, Inc.

Specifications

For reasons such as performance, this product's specifications may change without notice. Federal patent, copyright and other intellectual property laws protect the content, devices and design of the game and its equipment.



CAUTION

- This machine features moving parts and should only be serviced by a trained and experienced technician.
- Turn off all power and air supply before servicing the machine.
- Keep area around the machine clear and free of objects that present a trip hazard. Allow for plenty of room for players to safely enter and exit the machine.
- Observe ALL of the following guidelines to prevent injury, accident, or damage.
    - Maximum of two persons on the machine at any time.
    - If a player fatigues or experiences motion sickness or is unable to continue the game for any reason, stop the game motion immediately by pressing the MOTION STOP button. Allow the person to rest and exit the game with assistance if needed.
    - Remain seated for the entire duration of the game. Do not stand or exit while the game is moving. Press the MOTION STOP button before exiting the game.
    - Keep hands and legs inside the game at all times while in motion. Remain in the game until game comes to a complete stop.
    - Do not attempt to reach for objects on the floor or near the game when it is moving. Stay clear and stand at a safe distance while game is in motion.
    - Small children should always be accompanied by a parent or guardian.
- The machine is equipped with safety features which the operator and the player need to be familiar with:
    - There is a MOTION STOP button located in between of player 1 and 2. This button will stop the motion feature once pressed.
    - Bellows around the moving part of the machine prevent access between the base and the moving part. Make sure that the bellows are not damaged or showing signs of excessive wear that could lead to failure. Replace the bellows when this occurs. Use only tamper proof screw fasteners as specified.
    - The machine is designed so that there is no unintended movement in the absence of a logic signal as might be experienced during a power outage. Make sure that the machine is safe to operate before turning power back ON.
- Critical parts should be maintained and inspected regularly for safe operation. If those critical parts are damaged, broken, or installed incorrectly, replace them, or install correctly. Use only manufacturer's specified parts for continued safety and reliability. Contact your distributor to order replacement parts.

Product Specifications

Electrical Power

MULTIPLE POWER SUPPLY ENTRIES

Warning: Before obtaining access to terminals, all supply circuits must be disconnected.
Attention: Avant d'accéder aux bornes, tous les circuits d'alimentation doivent être déconnectés.

United States, Canada
Voltage: 120VAC / 60 Hz
Operating AC Current: 20 Amps (10 Amps per entry)

International
Voltage: 230VAC / 50/60Hz
Operating AC Current: 10 Amps (5 Amps per entry)

Temperature

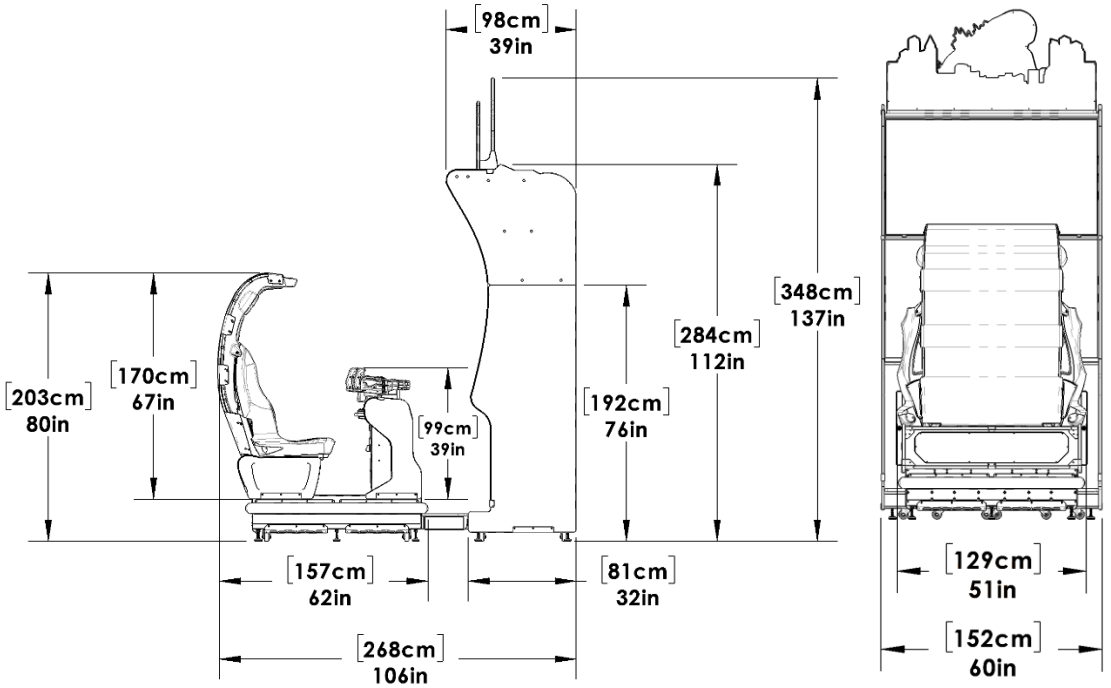
50° F to 104° F
(10° C to 40° C)

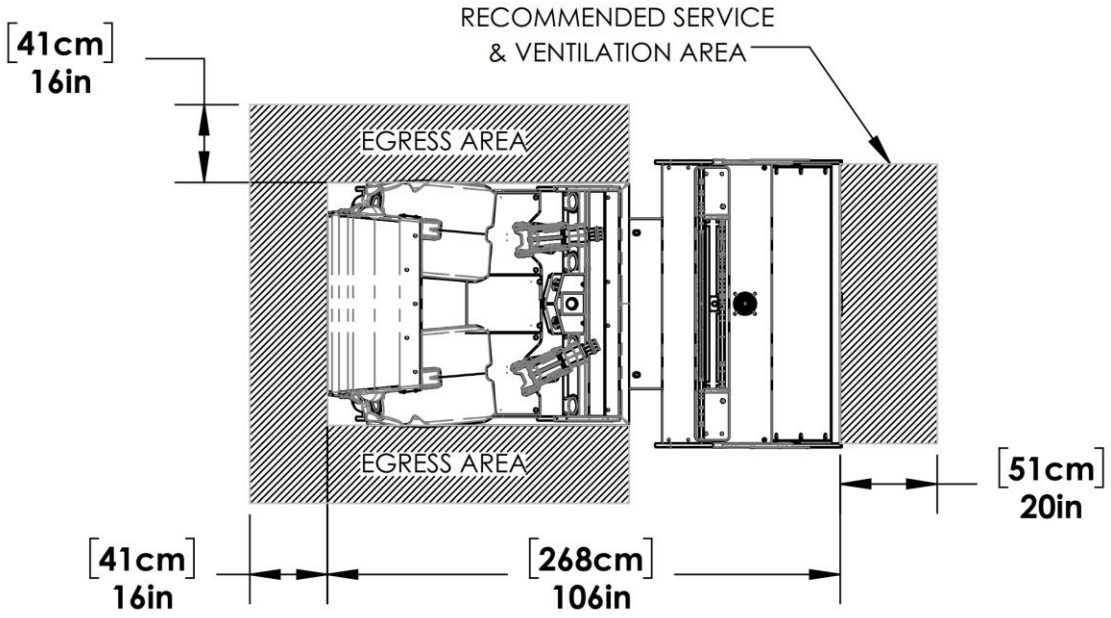
Humidity

Must not exceed 95% relative humidity

Dimensions

137”H x 60”W x 106”D (348cm H x 152cm W x 268cm D)
Approximate weight 1646lbs. (~747kg)
No Topper installed:
112”H x 60”W x 106”D (284cm H x 152cm W x 268cm D)
Recommended minimum floor space requirement:
140”H x 100”W x 120”D (356cm H x 254cm W x 305cm D)





Fuse Replacement Guide

NOTE: FOR CONTINUED PROTECTION AGAINST FIRE AND ELECTRICAL DAMAGE, USE ONLY SPECIFIED FUSE TYPE AND VALUE.

Power Distribution

Please see unit for specified fuse labeling.
Abbreviations:

5A 250V	5A, 250VAC Fast Acting 3AG Fuse	Littelfuse 0312005.MXP (or equivalent)
10A 250V	10A, 250VAC Fast Acting 3AG Fuse	Littelfuse 0312010.MXP (or equivalent)
2A 250V	2A, 250VAC Slow Acting 3AG Fuse	Littelfuse 0313002.MXP (or equivalent)

Setup

Safety Notice

Installing this product requires three individuals able to lift heavy objects safely. Two 6-foot step ladders (minimum height) are required as part of the installation process. Make sure that you are familiar with the manual contents, game setup, and operations before you begin the installation process. Do not push or pull on the decorative items when completing the assembly to prevent damaging these parts. Be aware of your surroundings and individuals around you during the assembly process for your safety and the safety of others. Work only in an area with sufficient lighting and a clean, level surface.

Unpack Materials

1. Place the shipping crate(s) on a flat, stable surface.
2. Cut the banding straps and remove the cardboard, plastic sleeve, foam, and other packing materials.
3. Stage all sub-assemblies and components near the final assembly area.
4. Locate the keys taped to the coin door on the motion platform and to the ledge on monitor cabinet.
5. Check for shipping damage to the following:
   - Monitor(s)
   - Monitor bracket
   - Cabinet decals
6. Check the AC line cords for visible signs of damage.
   Pay particular attention to the plug and line cord insulation.

Required Tools

1. (2) 6-foot step ladders (***minimum height***)
2. Power drill/driver or multi-bit screwdriver
3. Screwdriver bit adapter and the following bits
   a. T-27 tamper resistant Torx bit
   b. T-25 tamper resistant Torx bit
   c. T-15 tamper resistant Torx bit
   d. #2 Phillips
4. Ratcheting socket wrench and the following sockets
   a. 7/16” socket
5. 3/32” & 5/32” hex bits

Check the Godzilla Kaiju Wars Deluxe™ game page for the most up to date info!

rawthrills.com/games/godzilla-deluxe/

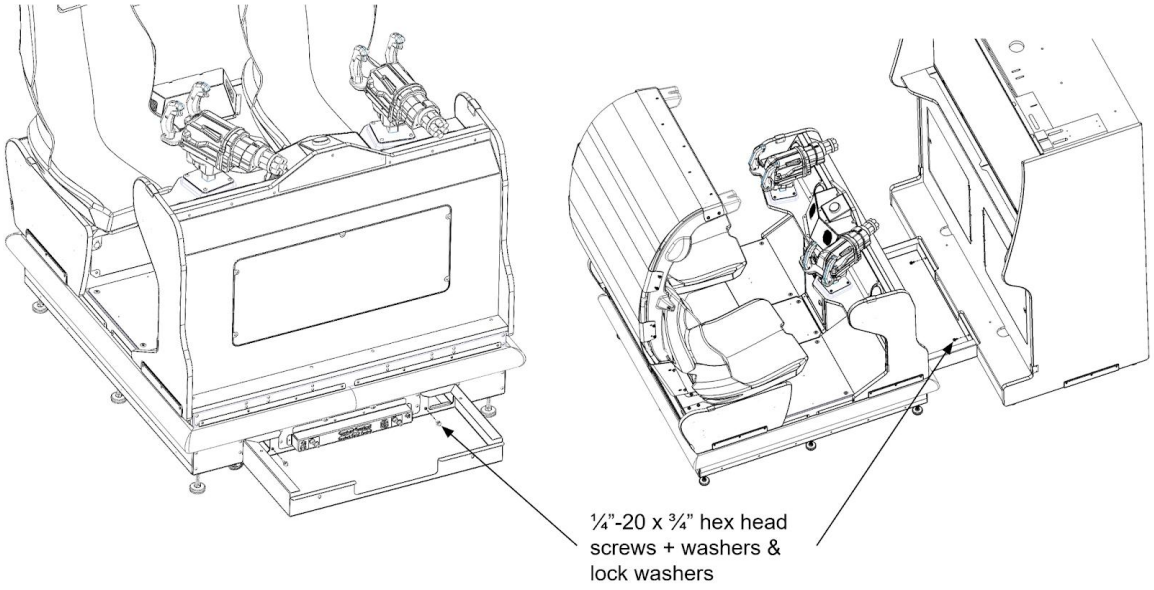
Cabinet Assembly

CAUTION

UNDER NO CIRCUMSTANCES SHOULD THIS GAME BE OPERATED UNLESS ALL INSTALLATION PROCEDURES HAVE BEEN COMPLETED AND ALL SAFETY FEATURES HAVE BEEN POSITIVELY TESTED AND ARE FULLY FUNCTIONAL!

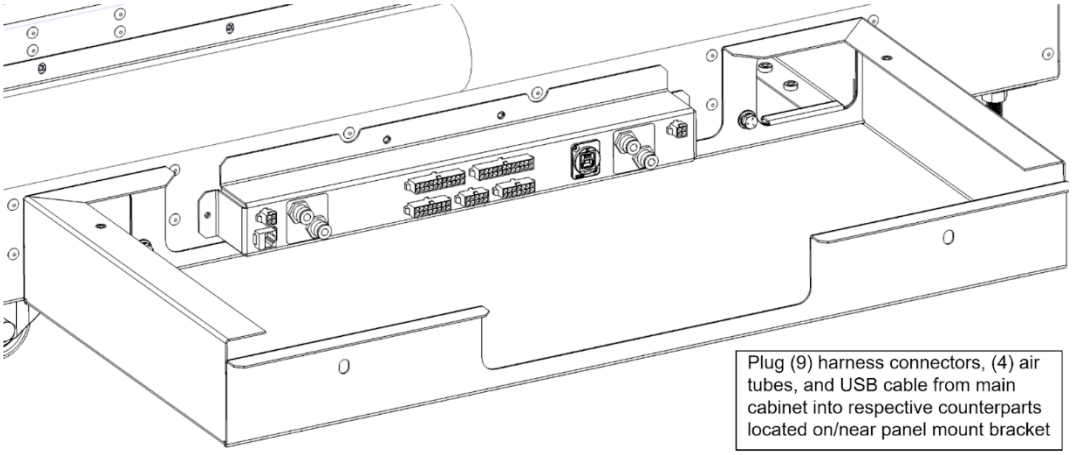
*****It is recommended that the monitor cabinet be moved to or very near its desired operational location before beginning any of the assembly tasks.*****

1. Install the spacer bracket to the motion platform of the pedestal cabinet and the main cabinet using (4) ¼”-20 x ¾” hex head screws (plus washers and lock washers) included in the spacer cabinet box. Set aside the spacer cabinet cap and remaining hardware.



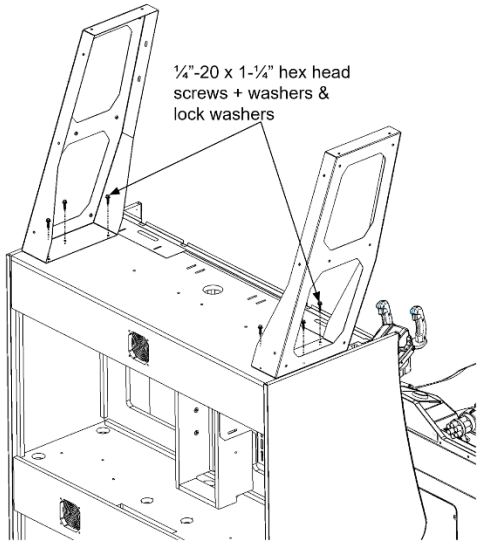
2. Reach inside the main cabinet and pull through the harness (CR-110), ground wire, (4) air tubes, and USB cable. Plug the (9) connectors into their counterparts located on/near the panel mount bracket. Then insert the colored air tubes into the appropriate push-to-connect fittings. Double check that the number and color of each air tube matches the position it was plugged into. Lastly, plug the USB cable into the panel mount USB 3.0 connector.

3. Note: There is an ethernet cable running through the motion platform. One end is located in the vault of the pedestal cabinet and the other is plugged into the back of the panel mount ethernet coupler. This allows for easier installation of any card reader systems that require an ethernet connection.

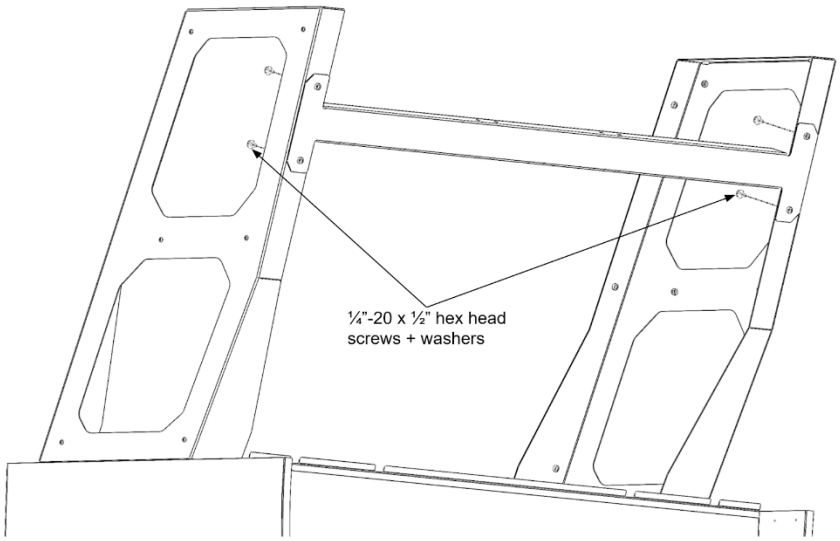

Plug (9) harness connectors, (4) air tubes, and USB cable from main cabinet into respective counterparts located on/near panel mount bracket

4. Determine the final location of the game and lower the main and pedestal cabinets' leg levelers before proceeding with the installation of the top monitor and marquee. Also, remove both back doors and the (2) shipping blocks located on top of the main cabinet. Lastly, grab (2) 6' ladders and place one on each side of the main cabinet. An additional ladder behind the game will help with monitor install.

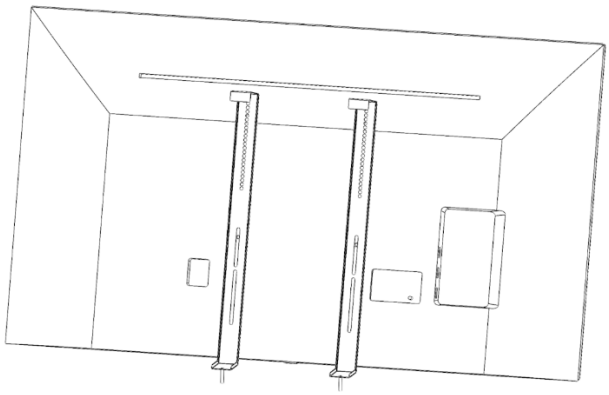
5. Locate the upper left and right side brackets, which can be found inside the upper back compartment of the main cabinet. Remove the hardware securing them to the inside of the cabinet ((6) ¼"-20 x 1-¼" hex head screws (plus washers and lock washers)) and use it to install the brackets on top of the cabinet.



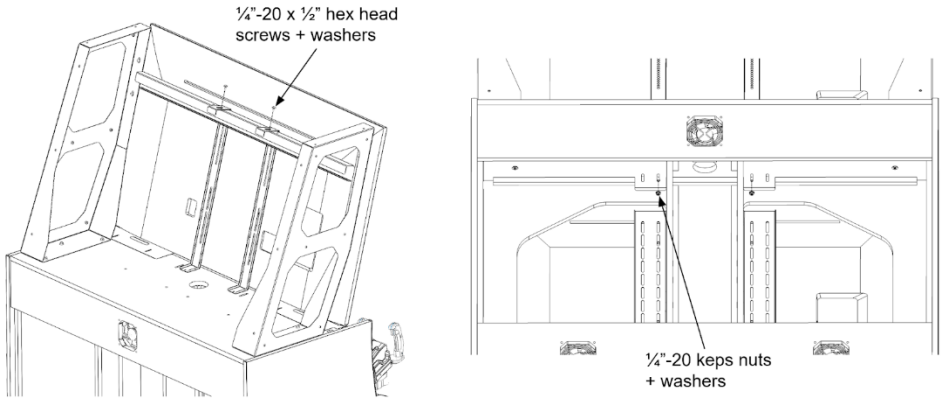
6. Install the upper cross bar by placing it in front of the upper left and right side brackets and use (4) ¼”-20 x ½” hex head screws (plus washers) to lightly secure it. Do not fully tighten the screws yet.



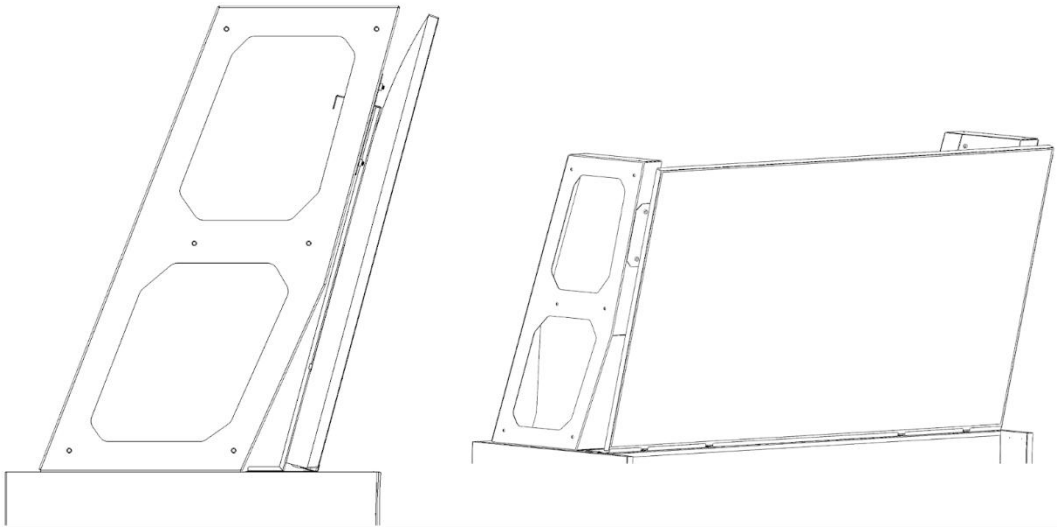
7. Unbox the upper monitor, lay it face down on a surface that won’t damage the screen, and place the (2) VESA brackets on the back of it, lining them up with the monitor’s VESA mounts (holes on top, slots on bottom). The VESA bracket hole that should line up with the top VESA mount is dependent on the monitor (see below). A box of monitor mounting hardware is included with every game and is located in the game bag storage pocket. Use the appropriate screws and washers to secure the VESA brackets to the back of the monitor. Look at the hardware used to mount the lower monitor for reference.
    a. The monitors included with the game can vary depending on the run. For…
        i. Samsung BE65FX-H monitors (120V games), install VESA adapter plates (locate bag with plates and installation sheet) before installing VESA brackets. Line up the top studs with the brackets’ **8th hole from the bottom**. **(***see pg. 22***)**
        ii. LG UL3J-E monitors (230V games), line up the top VESA holes with the brackets’ **6th hole from the top.**
        iii. other monitors, the bottom of the VESA brackets should be approximately 0.25” to 0.75” below the bottom of the monitor (depends on monitor thickness). Adjustment might be necessary after mounting.


Use included monitor mounting hardware to mount VESA brackets to back of upper monitor
Samsung BE65FX-H (120V games): Install VESA adapter plates (locate bag with plates and installation sheet) before installing VESA brackets. Line up studs with brackets' 8th hole from the bottom
LG UL3J-E (230V games): Line up top VESA holes with brackets' 6th hole from the top
Other: Bottom of brackets should be 0.25" to 2" below bottom of monitor. Adjustment might be necessary after mounting

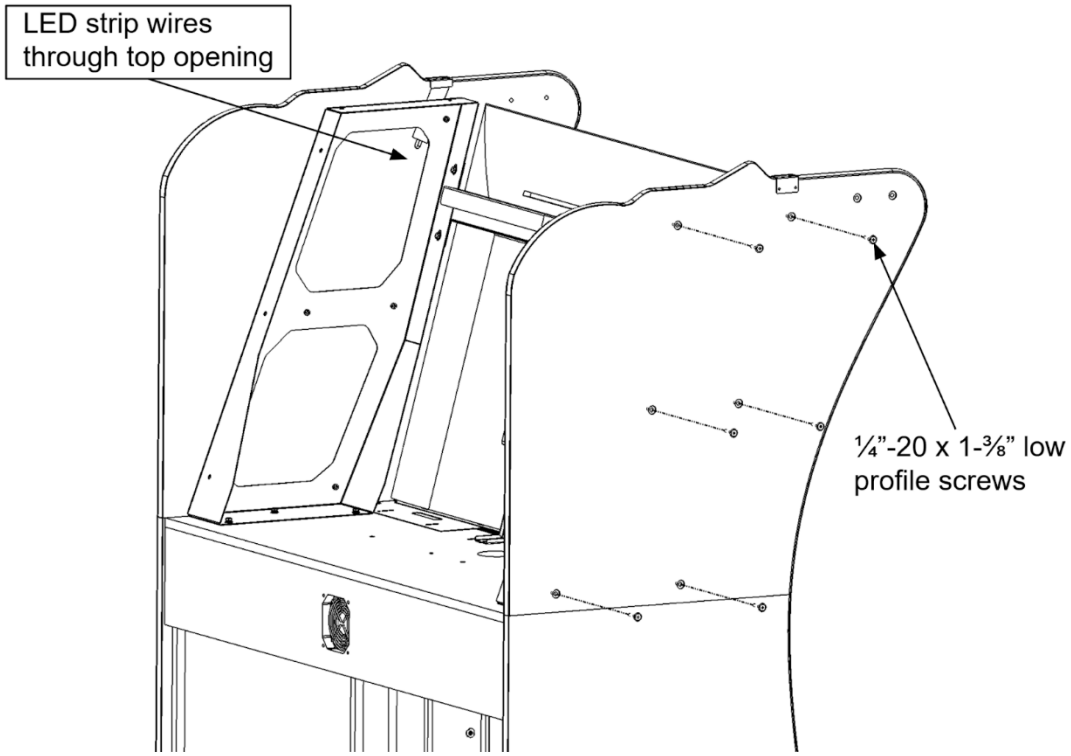
8. With one person on each ladder, lift the upper monitor assembly up and hook it onto the upper cross bar, making sure the bottom of the monitor is behind the top flange of the bracket in-between the monitors. Then have someone behind the game install (2) ¼”-20 x ½” hex head screws (plus washers) to lightly secure the tops of the VESA brackets to the upper cross bar. After that, use (2) ¼”-20 nuts (plus washers) to lightly secure the bottoms of the VESA brackets to the inside face of the top wood panel. Do not fully tighten the screws or nuts yet.



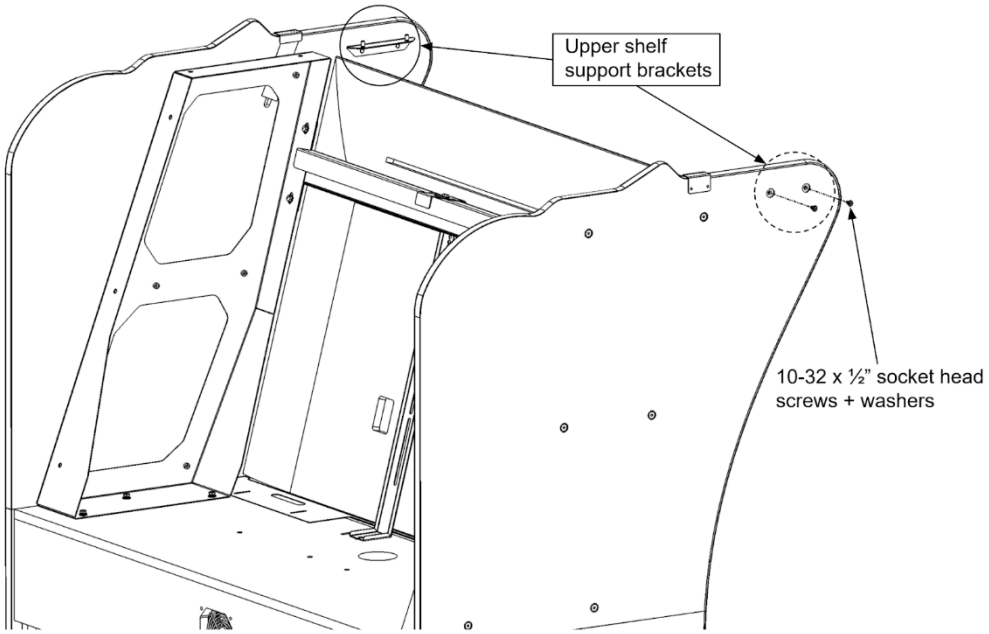
9. Push the monitor forward until the bottom edge of the monitor contacts the top flange of the bracket in-between the monitors, then tighten the (6) upper cross bar screws and the (2) nuts inside the cabinet to lock the monitor in place. If the monitor is sitting too high after pushing it forward or can’t be pushed forward because it’s sitting too low, reinstall the VESA brackets using different mounting holes and reattempt the install.



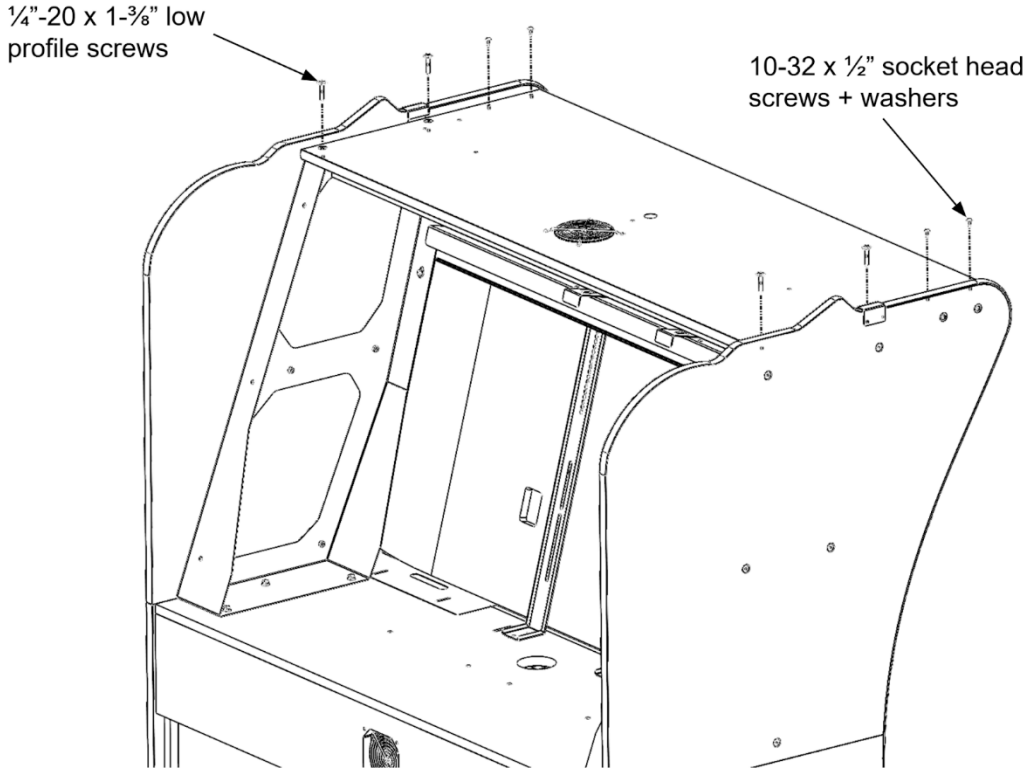
10. Install the upper left and right side panel assemblies onto their respective upper side brackets using (6) ¼”-20 x 1-⅜” low profile screws per panel. Make sure the LED strip wires are not pinched during install by guiding them through the top openings of the upper side brackets.



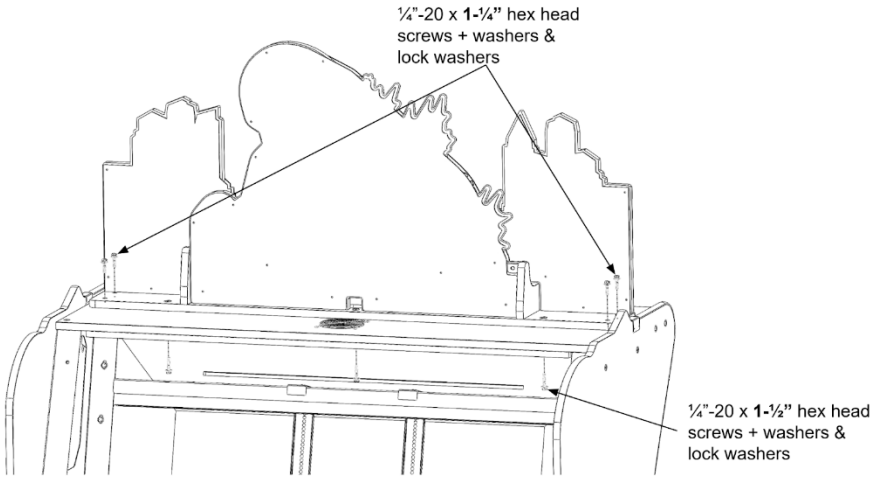
11. Install the (2) top shelf support brackets by placing them on the inside of the panels that were just installed and securing them with (2) 10-32 x ½” socket head screws (plus washers) each.



12. Place the upper shelf on top of the upper side and top shelf support brackets with the grill towards the back of the game and facing up and secure it into place with (4) ¼”-20 x 1-⅜” low profile screws and (4) 10-32 x ½” socket head screws (plus washers).

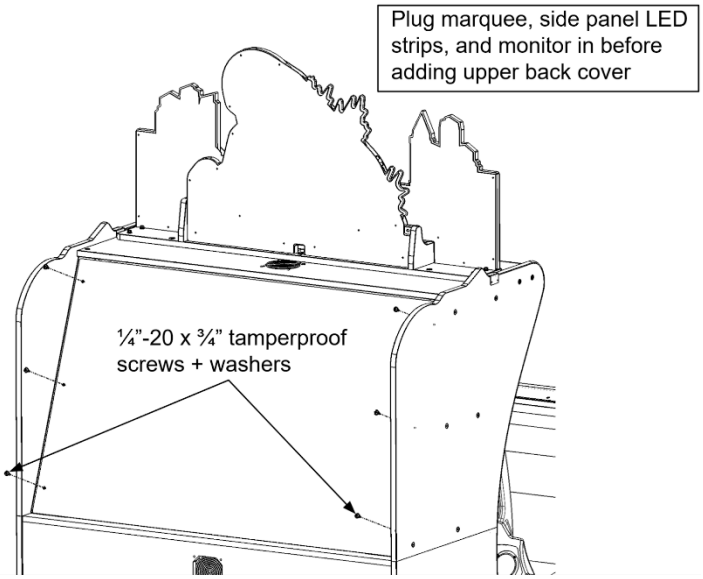


13. Place the marquee assembly on top of the upper shelf with the mounting holes towards the back of the game and secure it into place with (4) ¼”-20 x **1-¼”** hex head screws (plus washers and lock washers) and (3) ¼”-20 x **1-½”** hex head screws (plus washers and lock washers). The shorter screws are used to secure the marquee from above, while the longer screws are used to secure it from below.

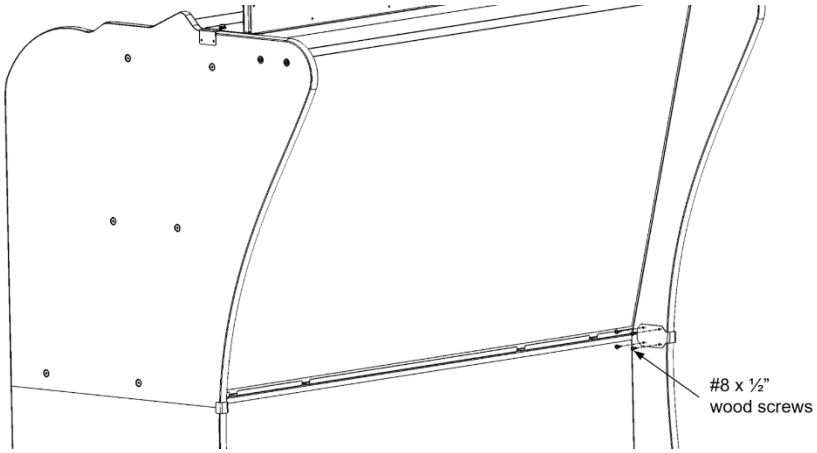


14. Guide the marquee harness through the hole in the top of the upper shelf and plug it and the side panel LEDs into the harness located inside the large hole in the top of the main cabinet. Plug the upper monitor's power cord into the open receptacle located in the upper compartment of the main cabinet and run it and the loose end of the HDMI cable to the upper monitor through the same hole. Plug in the power cable and insert the HDMI cable into the port labeled "HDMI 1".

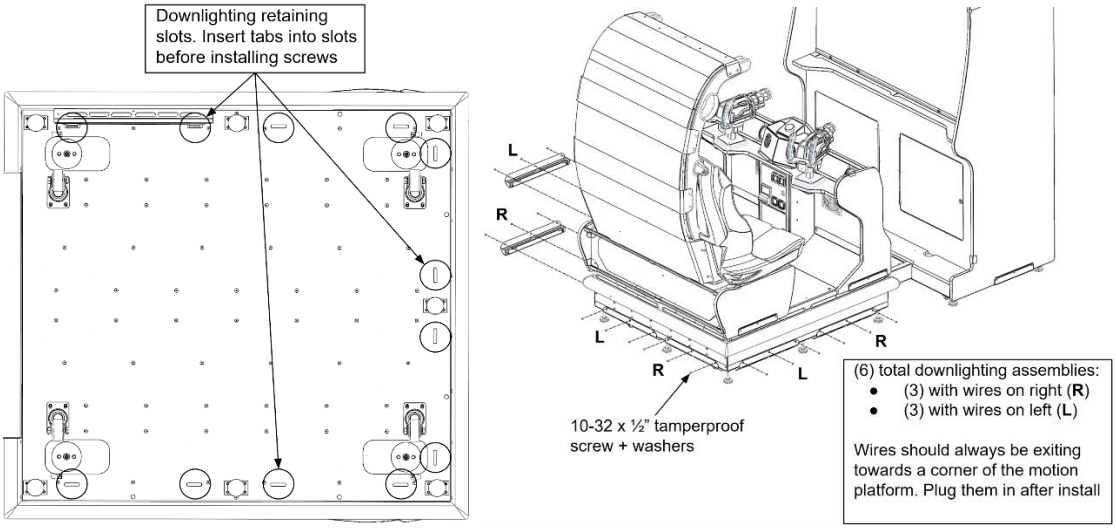
15. Remove the hardware that's screwed into the backs of the upper side brackets ((6) ¼"-20 x ¾" tamperproof screws (plus washers)) and use it to mount the upper back cover to the backs of those brackets. Don't overtighten the screws.



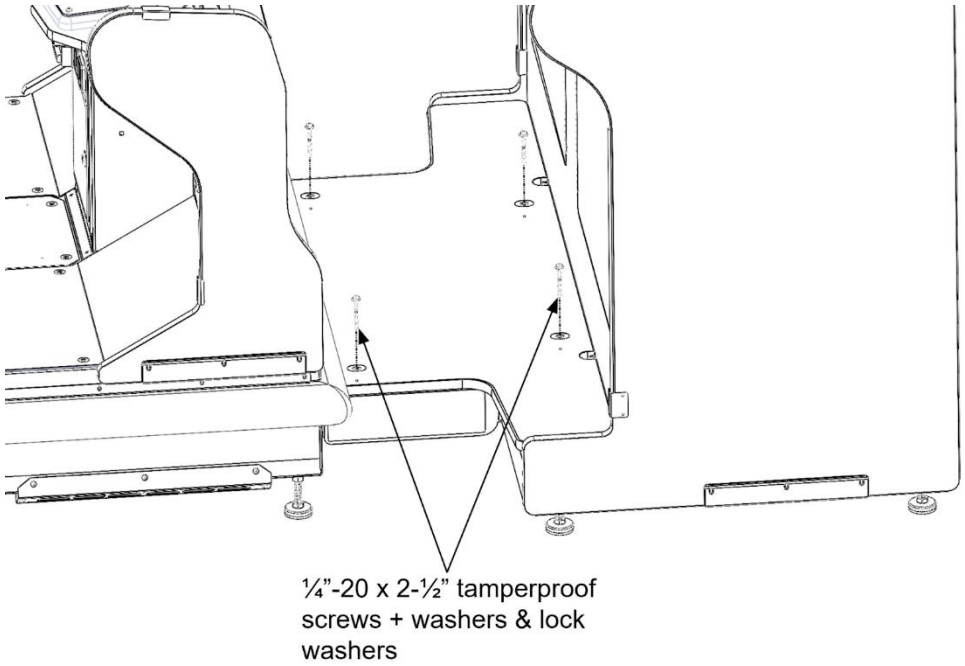
16. Install the (2) T-molding cover brackets in-between the main cabinet side panels and upper side panels using (4) #8 x ½" wood screws for each bracket.



17. Install the (6) downlighting assemblies to the side/bottom of the motion platform. For each downlighting assembly, insert the tabs of the bracket into the slots in the bottom of the motion platform and then rotate the assembly into place. Then (3) 10-32 x ½" screws (plus washers) can be used to secure the assembly into place. Keep in mind that there are actually two different downlighting assemblies: (3) with wires exiting out the right side and (3) with wires exiting out the left side. Install them such that the wires of the assemblies are always exiting towards a corner of the motion platform and then plug them into the connectors located inside the cutouts in the bottom of the motion platform. There are cable clamps located near the cutouts to dress the wires.

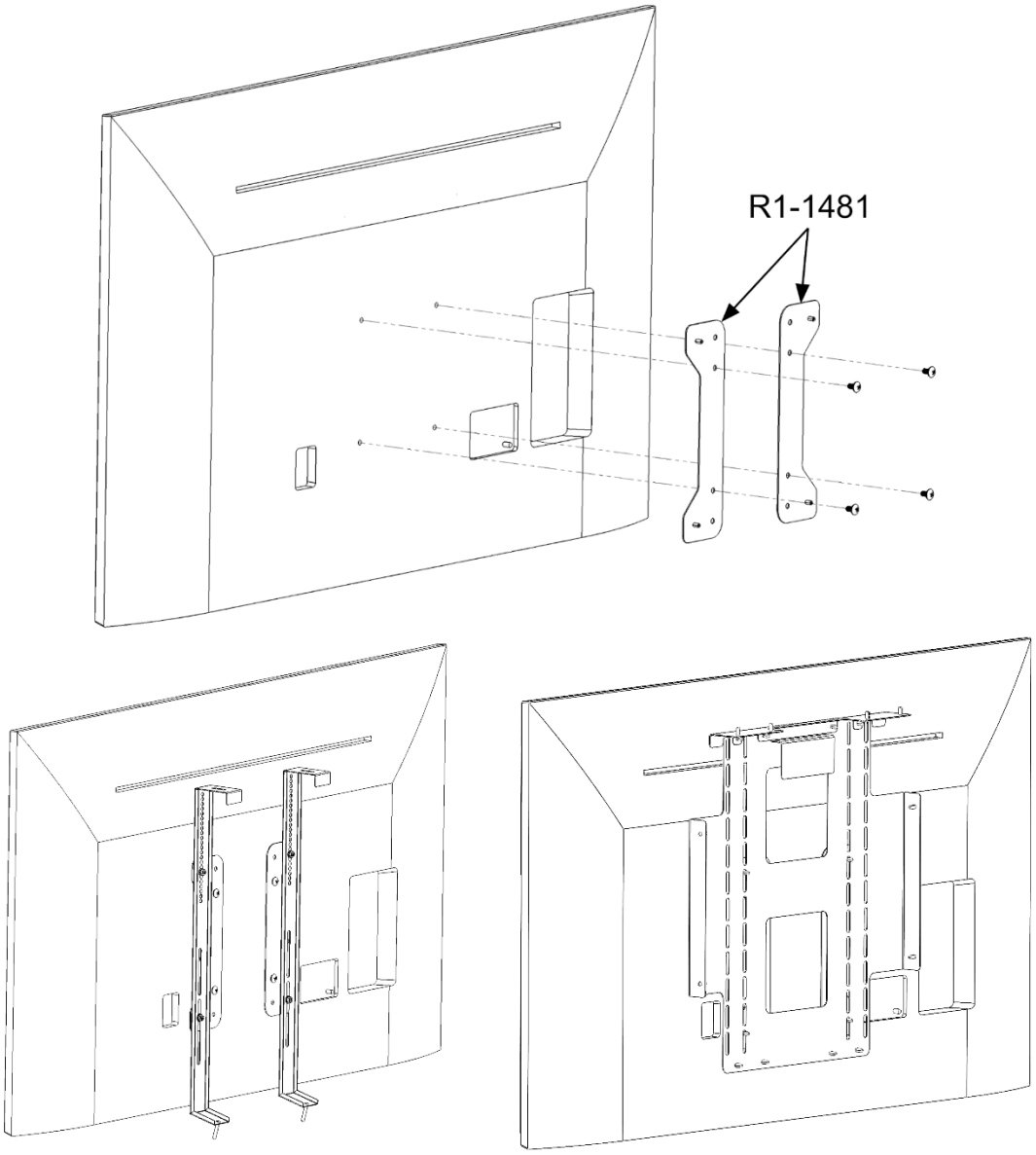

Downlighting retaining slots. Insert tabs into slots before installing screws
L
R
L
R
R
L
10-32 x ½" tamperproof screw + washers
(6) total downlighting assemblies:
(3) with wires on right (R)
(3) with wires on left (L)
Wires should always be exiting towards a corner of the motion platform. Plug them in after install

18. The last steps are to place the spacer cabinet cap between the pedestal and main cabinets and secure it into place using (4) ¼-20 x 2-½" tamperproof screws (plus washers and lock washers). Then reinstall the back doors.



Upper monitor: installing VESA adapter plates

1. To install a monitor that has either a 200 mm x 200 mm or a 200 mm x 300 mm VESA mount pattern, you'll need to first install (2) VESA adapter plates to the back of the monitor. Unbox the upper monitor, lay it face down on a surface that won't damage the screen, and place the (2) VESA adapter plates on the back of it, lining them up with the monitor's VESA mounts. A box of monitor mounting hardware is included with every game and is located in the game bag storage pocket. Use the appropriate screws and washers to secure the VESA adapter plates to the back of the monitor. Look at the hardware used to mount the lower monitor for reference.
2. Then place the upper VESA brackets (game dependent) on the back of the VESA adapter plates, lining them up with the plates' studs (refer to the manual for more specific installation instructions). Secure them into place with the included nuts and washers.

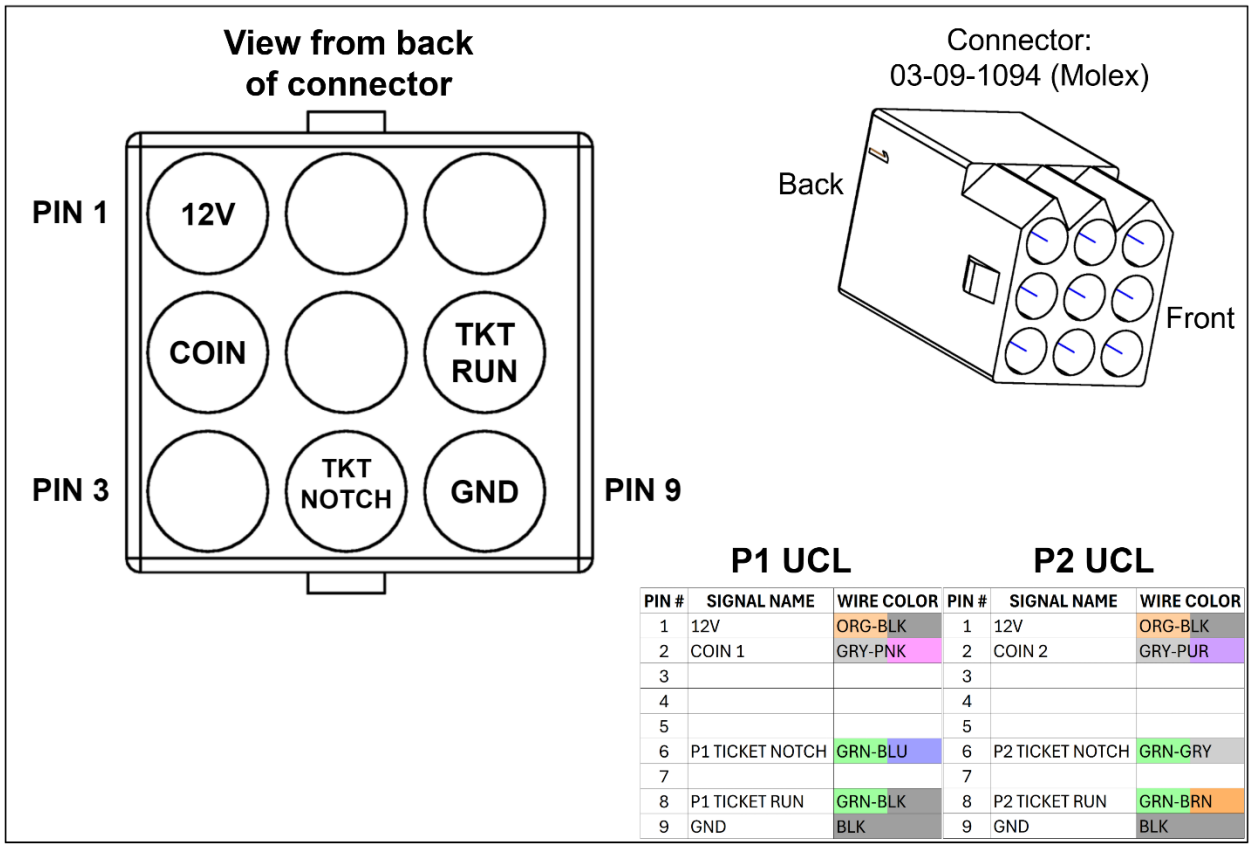


Card Reader Installation and Setup

UCL, or Universal Card Link, is a debit card standard established by the American Amusement Machine Association. Visit https://coin-op.org/standardization/ for the latest UCL standard and manual information.

There are (2) supplied UCL connections that can be found inside the coin door/cashless door assembly.

The UCL connectors use pins 1, 2, 6, 8, and 9. The other pins are unused. The UCL connector can supply up to 1A at 12VDC.



P1 UCL

PIN #	SIGNAL NAME	WIRE COLOR
1	12V	ORG-BLK
2	COIN 1	GRY-PNK
3		
4		
5		
6	P1 TICKET NOTCH	GRN-BLU
7		
8	P1 TICKET RUN	GRN-BLK
9	GND	BLK

P2 UCL

PIN #	SIGNAL NAME	WIRE COLOR
1	12V	ORG-BLK
2	COIN 2	GRY-PUR
3		
4		
5		
6	P2 TICKET NOTCH	GRN-GRY
7		
8	P2 TICKET RUN	GRN-BRN
9	GND	BLK

You can choose to use one or two card readers in the pricing adjustments section of the test menu. It is recommended to use two card readers for best results and player access.

Check Electrical Settings

1. Verify the voltage in the nearest AC outlet.
2. Verify the AC outlet ground connection is present and working.

*****Recommended: Dedicated 20A circuit breaker for each line cord to prevent capacity overload. (10A/each for 230VAC)*****

Startup Game

1. Plug the two line cords into an AC outlet (**Recommended: plug each line cord into a dedicated 20A circuit breaker to prevent capacity overload**). **(10A/each for 230VAC)**
2. Turn the main cabinet power switches on (there are two switches, GAME and COMPRESSOR).
3. Calibrate the guns and motion platform.
   *****MACHINE IS NOT OPERATIONAL WITHOUT FIRST CALIBRATING THE HARDWARE*****
4. Verify the game and all components are operating normally. See *Basic Functional Test on Initial Power Up* in the *Diagnostics and Adjustments* section for the recommended procedure.

Monitor Setup

*****IMPORTANT*****

PLEASE FOLLOW INSTRUCTIONS TO SET UP MONITOR

Applicable Samsung monitors:

Model # BE65D-H, BE43D-H

STEP 1: Verify game is connected to monitor in HDMI IN 1 at rear of monitor.

STEP 2: Power on GAME cabinet and MONITOR, wait about 30 seconds.

STEP 3: Press the power button on the remote. This only needs to be done once during initial setup.

1. Let's Start => Next =>
2. Set Up Network => Skip =>
3. Device Name => <use default> => Next =>
4. Auto Power Off => Off =>
5. Scanning for Devices => PAUSE => SKIP =>

STEP 4: Use the remote to select HDMI1 as input

STEP 5: Enter Hospitality Mode with the remote:

To access the **Hotel Option** menu, press the following buttons on the remote control:

1. Press the +/— button.
2. Press the up directional button.
3. Press the down directional button.
4. Press the **Select** button.

STEP 6: Verify Hospitality Mode Settings, navigating with the remote:

- Hospitality Mode: ON
- Power On
    - Power On Source : HDMI1
    - Power On Option : Power ON
- Eco Solution
    - Energy Saving : 0

STEP 7: Power cycle the monitor to exist Hospitality Mode

STEP 8: Press “SETTINGS (COG)” on the remote to enter the settings menu. Select "All Settings"

STEP 9: Verify the settings below, navigating with the remote:

- Connection
    - External Device Manager
        - HDMI Black Level : Normal
    - Game Mode Settings
        - Game Mode : ON (enabled)
- General & Privacy
    - System Manager
        - Button Lock : ON
        - USB Lock : ON
    - Power and Energy Saving
        - Energy Saving Solution : OFF (disabled)
        - Auto Power Saving : OFF (disabled)
        - Auto Power Off : OFF
    - Start Screen Option
        - Start with Smart Hub Home : OFF (disabled)
        - Autorun last app : : ON (enabled)

Monitor Setup Continued

*****IMPORTANT*****

PLEASE FOLLOW INSTRUCTIONS TO SET UP MONITOR

Applicable LG monitors:

Model # 65UL3J-E, 75UL3J-E

STEP 1: Verify game is connected to monitor in HDMI IN 1 at rear of monitor.

STEP 2: Power on GAME cabinet and MONITOR, wait about 30 seconds.

STEP 3: Press the power button on the remote.

STEP 4: Set the initial one-time monitor settings as below

- LANGUAGE & LOCATION SETTINGS
  - *(substitute local values as needed)*
  - Language: English
  - Region: Europe
  - Country/Territory: United Kingdom
  - City: London
  - ⇒ Next
- NETWORK SETTINGS
  - Network: Wired
  - ⇒ Next
  - "If you connect to the network…" ⇒ select "OK"
- USER AGREEMENTS
  - [x] Terms of Use ⇒ check
  - ⇒"AGREE"
- READY TO USE
  - [x] Quick Start / Normal
  - ⇒ Next
- QUICK START / NORMAL CONFIGURATION
  - Screen Rotation: OFF
  - External Input Rotation: OFF
  - Input: HDMI1
  - No Signal Power Off : OFF (disable)
  - ⇒ GO TO SETTINGS

STEP 5: Verify the other monitor settings as below.

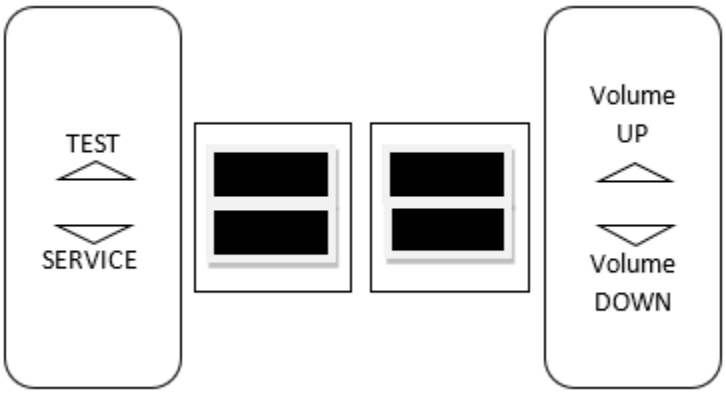
- GENERAL
  - SYSTEM INFORMATION
    - Smart Energy Saving: OFF
  - POWER
    - No Signal Power Off: [ ] (disable)
    - DPM (Standby Mode): OFF
    - Power On Delay: 0
    - **Power on Status: PWR (auto-power on)**
    - Quick Start: [x] (enable)
  - ADVANCED SETTINGS
    - Input Manager
      - HDMI1: PC
- DISPLAY
  - PICTURE MODE: General
  - ADVANCED SETTINGS
    - Average Picture Level Control: [ ] (disable)
  - ENERGY SAVING
    - Smart Energy Saving: [ ] (disable)
    - Brightness Control: OFF
    - Brightness Scheduling: OFF
- ADMIN
  - ENABLE ⇒ set password to "123456"
  - LOCK MODE
    - Home Dashboard Lock: [x] (enable)
    - USB Lock: [x] (enable)
    - IR Operation Lock: On (block all)
    - Screen Share Lock: ON

NOTE – After the ADMIN password has been set, to re-enter the settings menu:

Hold the "SETTINGS" button for 5 seconds until a passcode screen appears, enter the password, and press "ok".

Diagnostics and Adjustments

The Service Button Panel has four buttons, all of which can navigate the menu system.



Navigating the Test Menu	
Button	**Action**
TEST (Not in Test Menu)	Enters Test Menu
TEST (In Test Menu)	Selects Highlighted Option
SERVICE (On Main Menu)	Exits Test Menu
SERVICE (Not on Main Menu)	Cancels Selection
VOLUME UP	Move Up
VOLUME DOWN	Move Down

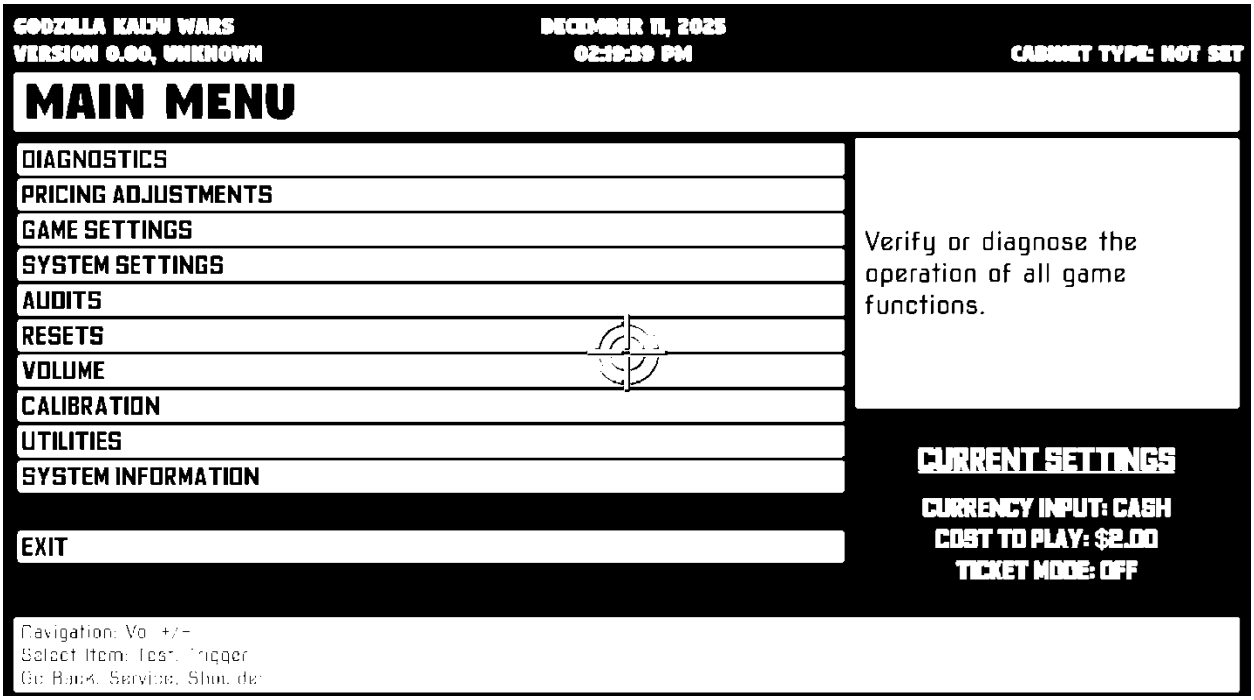
Basic Functional Test on Initial Power Up

1. Enter the Input Test and verify all switch inputs are working.
2. Enter the Video Test and verify the monitors are working properly.
3. Enter the Audio Test and verify the audio works and is not distorted.
4. Enter the Cabinet Light Test and verify that all the lights are working properly.
5. Enter the Meter Test and verify the coin meter is working properly.
6. Enter the Motion Test and verify the motion platform is working properly.
7. Enter the Blower Test and verify that both air blowers are working properly.
8. Enter the Watchdog Test and verify the game reboots.
9. Upon a successful reboot, you are ready to adjust pricing, volume, and other functions.

Test Menus

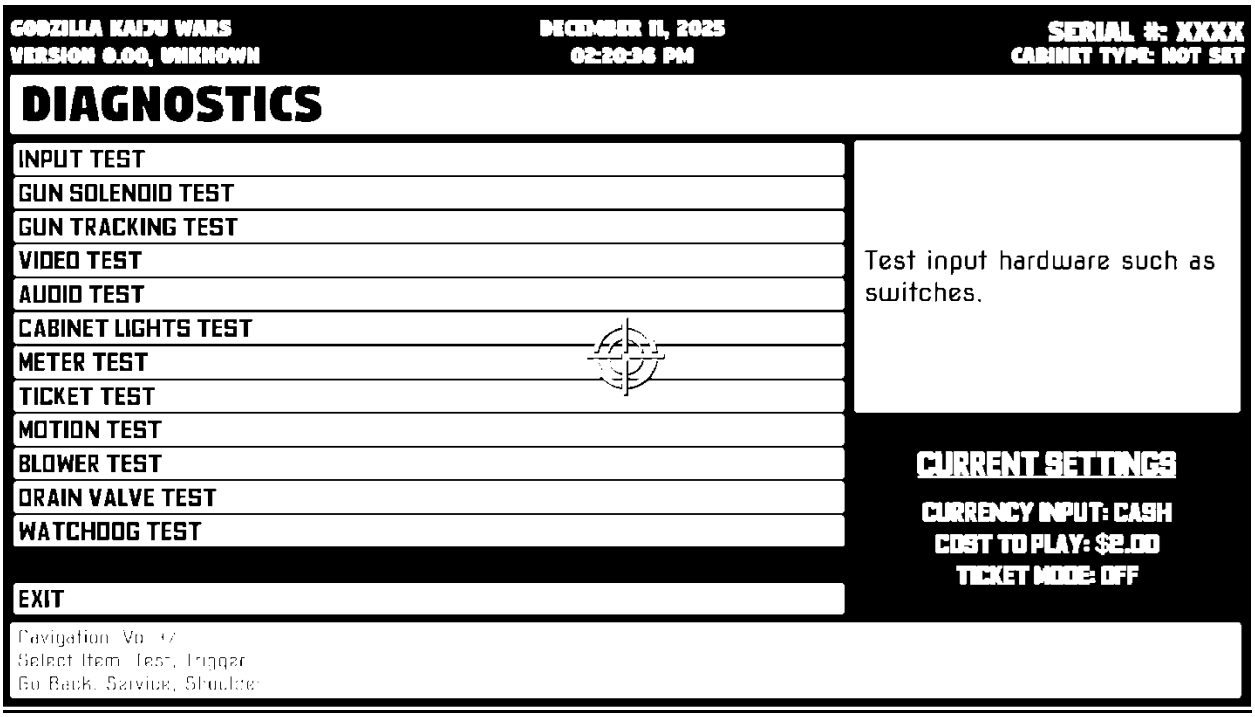
Main Menu

Choose from all available operator settings and menus here. You can use the test menu bracket and volume buttons to navigate.



Diagnostics

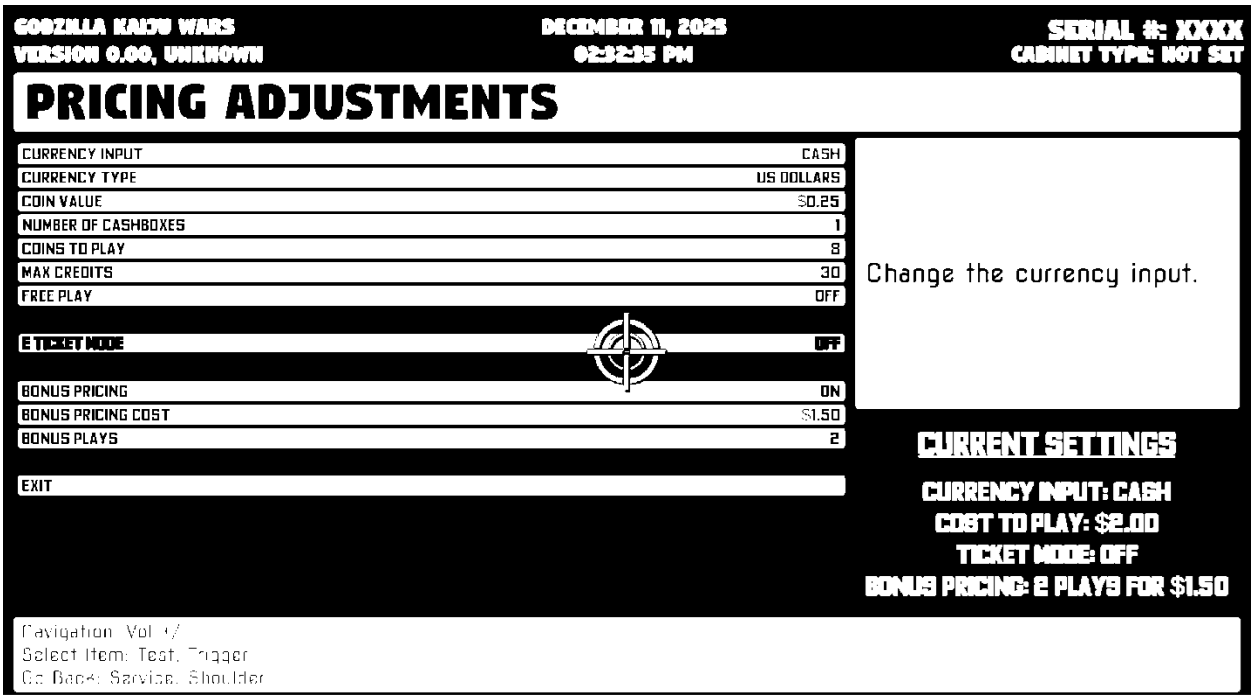
Verify or diagnose the operations of all game functions.



- **Input Test:** Test input hardware such as switches.
- **Gun Solenoid Test:** Test the vibration of both guns.
- **Gun Tracking Test:** Test the tracking of both guns.
- **Video Test:** Cycle through full screen colors on the monitor.
- **Audio Test:** Test the functionality of all speakers.
- **Cabinet Lights Test:** Tests all LED cabinet lighting elements together and individually.
- **Meter Test:** Test the functionality of the mechanical coin meter inside the cabinet.
- **Ticket Test:** Test the functionality of the ticket mech.
- **Motion Test:** Test the functionality of the motion platform.
- **Blower Test:** Test the functionality of the air blowers.
- **Drain Valve Test:** Test the compressor's drain valve.
- **Watchdog Test:** Test the functionality of the watchdog reset. (If successful the cabinet will power off and reboot)

Set Pricing Adjustments (Cash)

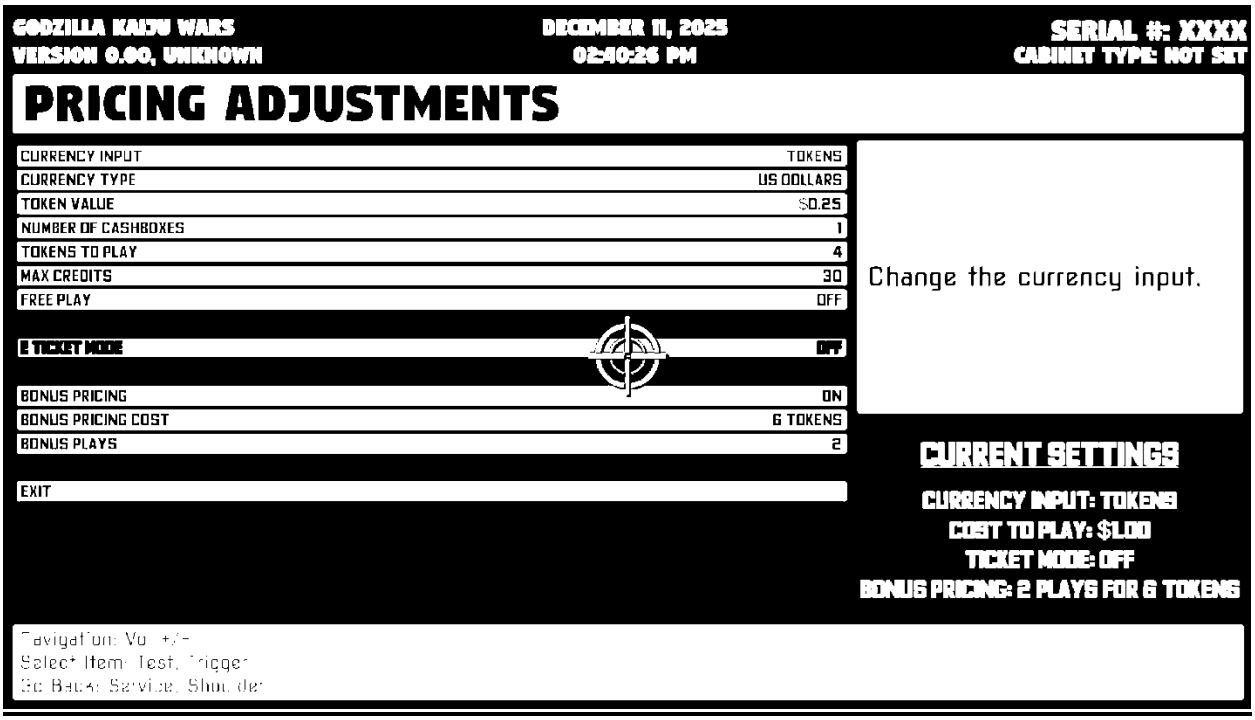
Set pricing adjustments using cash and coin currency for game operation.



- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Coin Value**: Change the money value of the coin.
- **Number of Cashboxes:** Whether players share a cashbox, or each have their own.
- **Coins to Play**: Adjust the amount of coins to start a game.
- **Max Credits**: Adjust the maximum number of credits that can be stacked at one time.
- **Free Play**: Turn free play mode on or off.
- **E Ticket Mode**: Unavailable unless Currency Input is set to Card Swipes or Card Taps.
- **Bonus Pricing**: Toggle whether players can pay for multiple games at a discount.
    - **Bonus Pricing Cost**: Set how much money the player must pay to receive the indicated number of bonus plays.
    - **Bonus Plays**: Set the number of games that will be given to the player if they pay the bonus pricing amount.

Set Pricing Adjustments (Tokens)

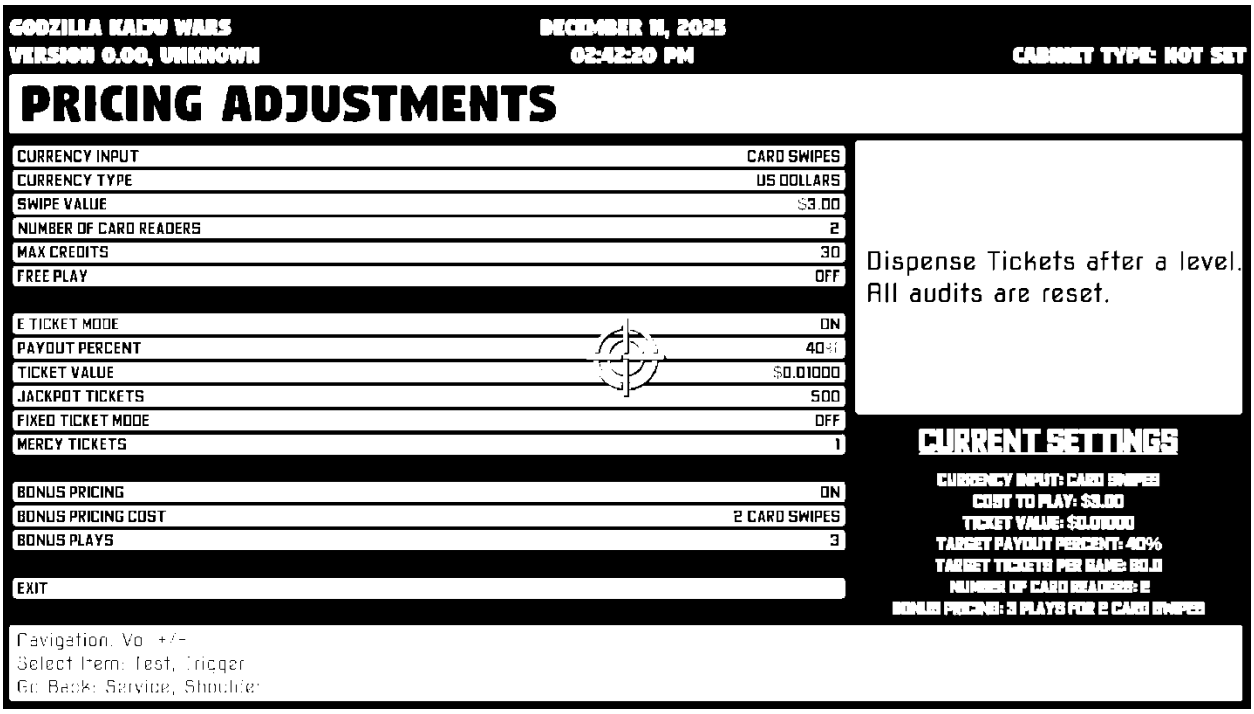
Set pricing adjustments using non cash value game tokens for game operation.



- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Token Value**: Change the money value of the token.
- **Number of Cashboxes:** Whether players share a cashbox, or each have their own.
- **Tokens to Play**: Adjust the number of tokens to start a game.
- **Max Credits**: Adjust the maximum number of credits.
- **Free Play**: Turn free play mode on or off.
- **E Ticket Mode**: Unavailable unless Currency Input is set to Card Swipes or Card Taps.
- **Bonus Pricing**: Toggle whether players can pay for multiple games at a discount.
    - **Bonus Pricing Cost**: Set how much money the player must pay to receive the indicated number of bonus plays.
    - **Bonus Plays**: Set the number of games that will be given to the player if they pay the bonus pricing amount.

Set Pricing Adjustments (Swipes)

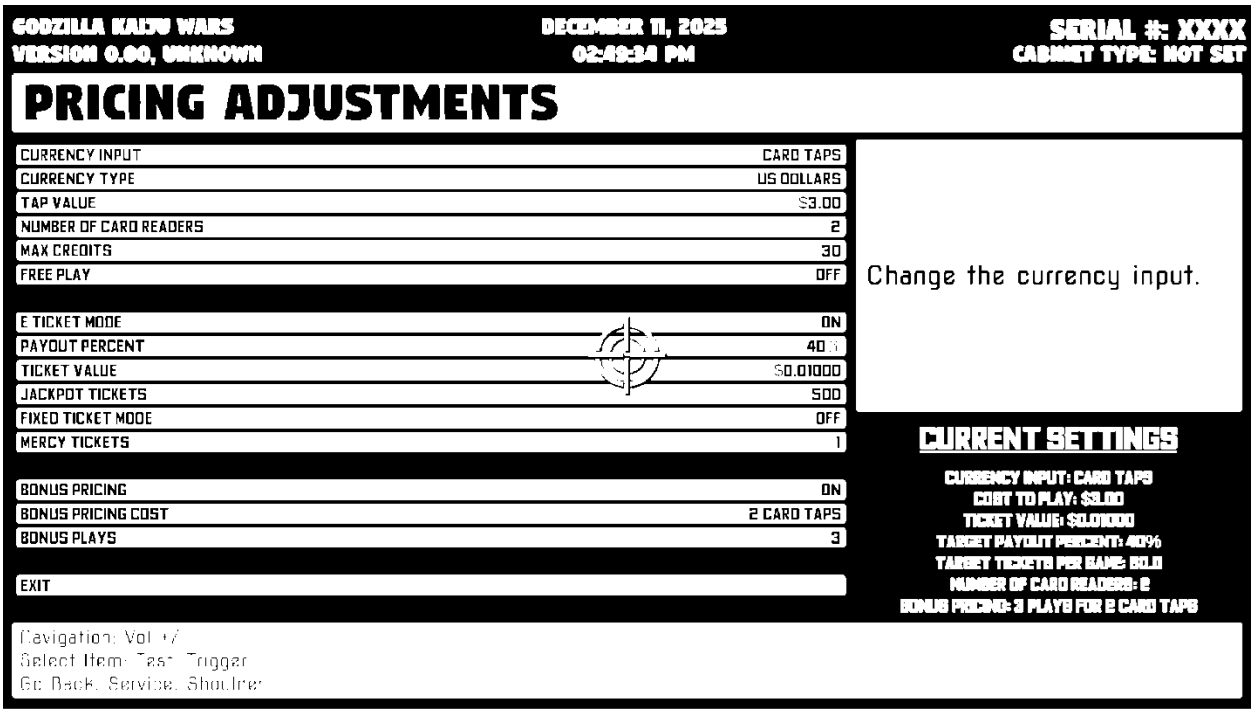
Set pricing adjustments using card swipe play systems for game operation.



- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Swipe Value**: Money value of the swipe.
- **Number of Card Readers**: Whether players share a card reader, or each have their own.
- **Max Credits**: Adjust the maximum number of credits.
- **Free Play**: Turn free play mode on or off.
- **E Ticket Mode**: Unavailable unless Currency Input is set to Card Swipes or Card Taps.
    - **Payout Percent**: Set the targeted payout percentage.
    - **Ticket Value**: Set the value of a single ticket. ******This is an important setting needed for proper payout calculations******
    - **Jackpot Tickets:** Set the value of the jackpot award.
    - **Fixed Ticket Mode:** Award a fixed amount of tickets per play. No jackpot option is available when this mode is active. Enabling this setting allows the operator to choose how many tickets are awarded per play.
    - **Mercy Tickets:** Set the minimum number of tickets awarded on every play.
- **Bonus Pricing**: Toggle whether players can pay for multiple games at a discount.
    - **Bonus Pricing Cost**: Set how much money the player must pay to receive the indicated number of bonus plays.
    - **Bonus Plays**: Set the number of games that will be given to the player if they pay the bonus pricing amount.

Set Pricing Adjustments (Taps)

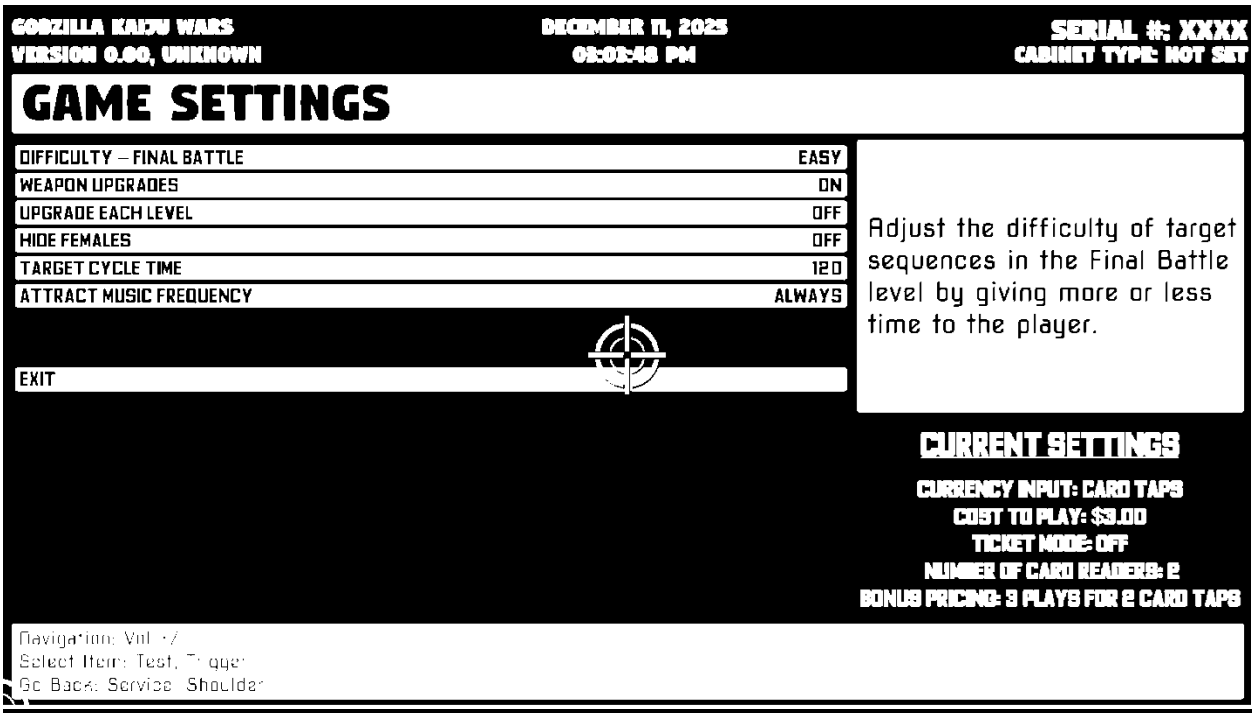
Set pricing adjustments using card tap play systems for game operation.



- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Tap Value**: Money value of a card tap.
- **Number of Card Readers**: Whether players share a card reader, or each have their own.
- **Max Credits**: Adjust the maximum number of credits.
- **Free Play**: Turn free play mode on or off.
- **E Ticket Mode**: Unavailable unless Currency Input is set to Card Swipes or Card Taps.
    - **Payout Percent**: Set the targeted payout percentage.
    - **Ticket Value**: Set the value of a single ticket. ******This is an important setting needed for proper payout calculations******
    - **Jackpot Tickets:** Set the value of the jackpot award.
    - **Fixed Ticket Mode:** Award a fixed amount of tickets per play. No jackpot option is available when this mode is active. Enabling this setting allows the operator to choose how many tickets are awarded per play.
    - **Mercy Tickets:** Set the minimum number of tickets awarded on every play.
- **Bonus Pricing**: Toggle whether players can pay for multiple games at a discount.
    - **Bonus Pricing Cost**: Set how much money the player must pay to receive the indicated number of bonus plays.
    - **Bonus Plays**: Set the number of games that will be given to the player if they pay the bonus pricing amount.

Game Settings (E-Ticket Disabled)

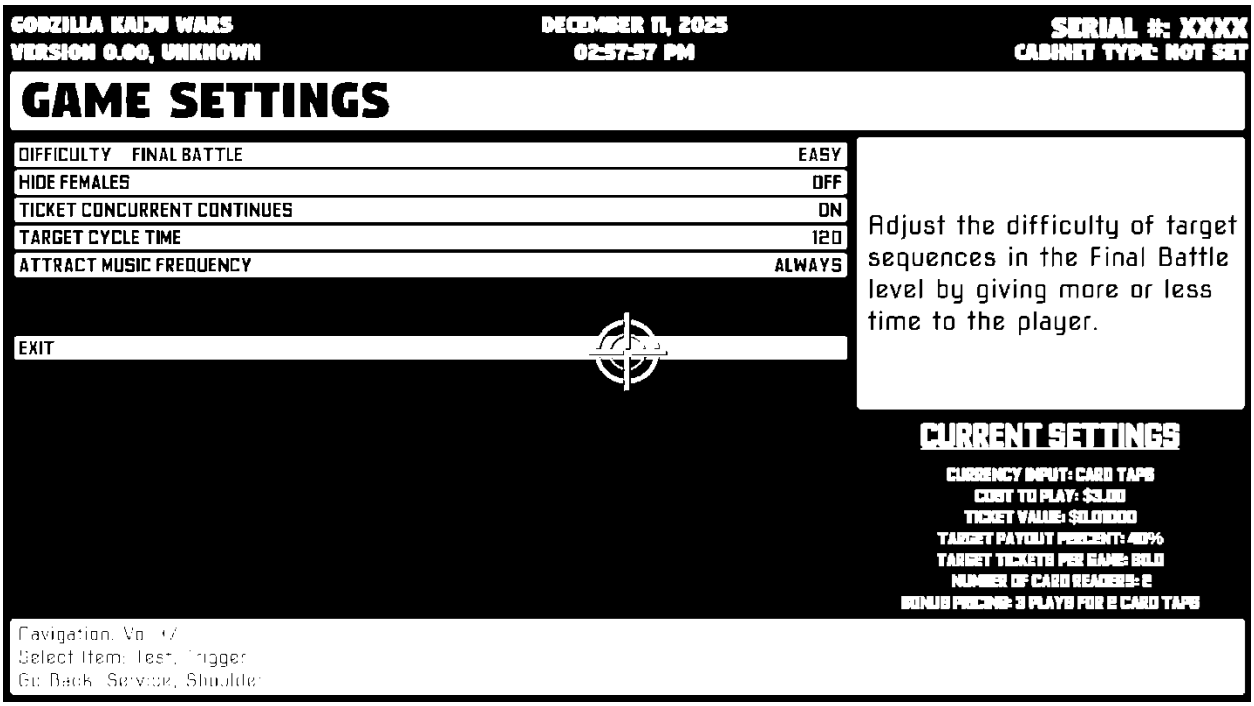
Adjust game settings for operation.



- **Difficulty – Final Battle:** Adjust the difficulty of target sequences in the Final Battle level by giving more or less time to the player.
- **Weapon Upgrades:** When E-Ticket mode is disabled, toggle whether players can upgrade their weapon to the "ultimate weapon" for an additional credit.
- **Upgrade Each Level:** When enabled, weapon upgrades last the duration of one level and must be repurchased. When disabled, weapon upgrades remain as long as the relevant player continues.
- **Hide Females:** Remove all images of females from the game (for localization or cultural reasons).
- **Target Cycle Times:** Set the desired average cycle time in seconds.
- **Attract Music Frequency:** Set how often music should play in attract mode.

Game Settings (E-Ticket Enabled)

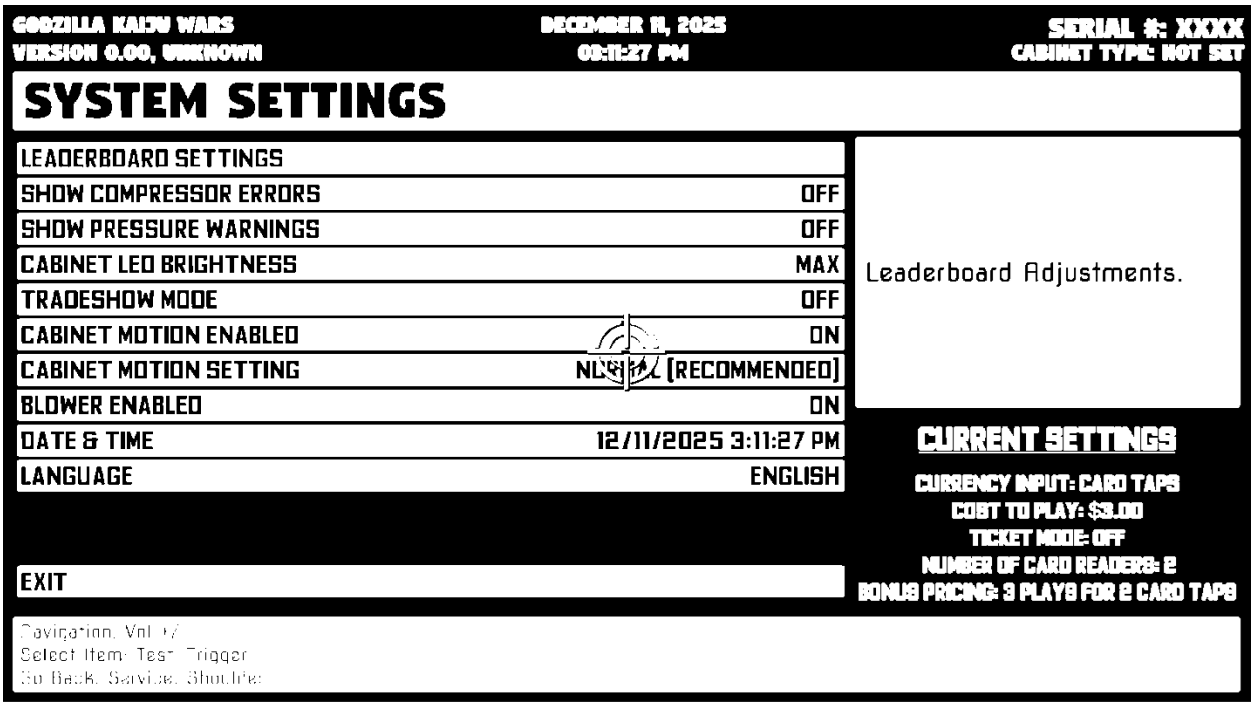
Adjust game settings for operation.



- **Difficulty – Final Battle:** Adjust the difficulty of target sequences in the Final Battle level by giving more or less time to the player.
- **Hide Females:** Remove all images of females from the game (for localization or cultural reasons).
- **Ticket Concurrent Continues:** When E-Ticket mode is enabled, toggle whether both players are able to be in a continue state at the same time. When disabled, the active player cannot be defeated when the other player position is in a continue state.
- **Target Cycle Times:** Set the desired average cycle time in seconds.
- **Attract Music Frequency:** Set how often music should play in attract mode.

System Settings

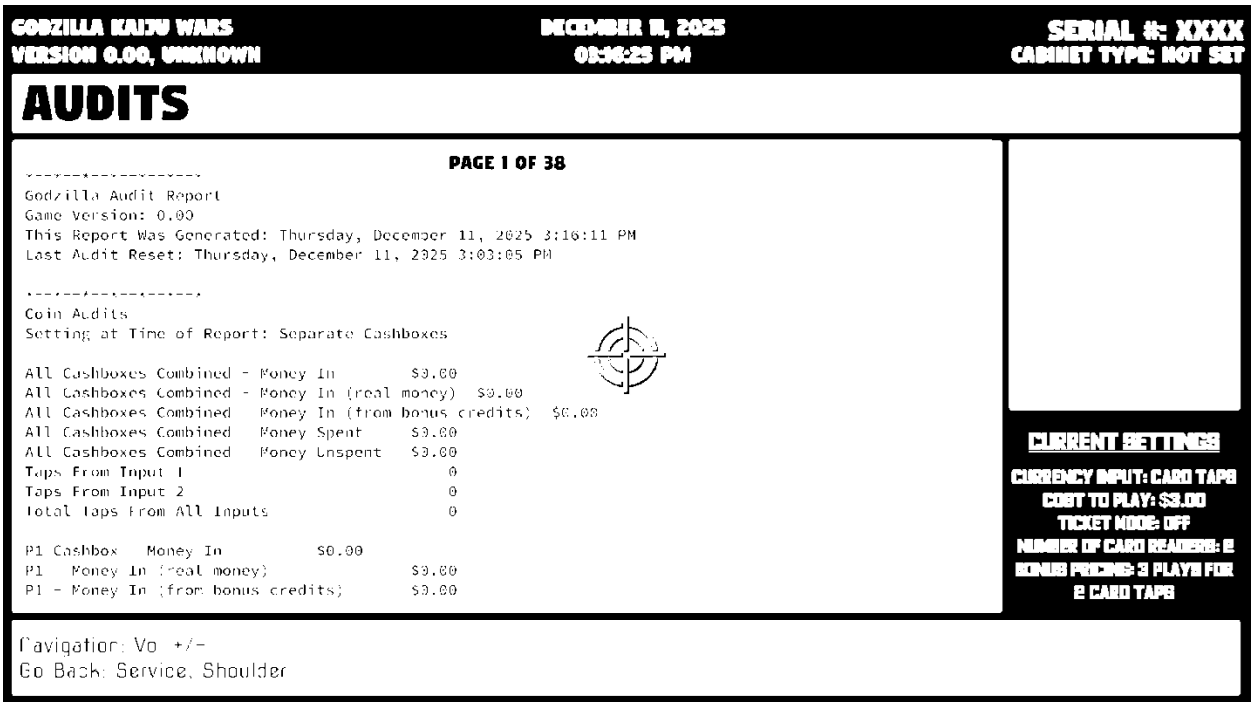
Adjust system settings for operation.



- **Leaderboard Settings:** Leaderboard Adjustments.
    - **Name Entry/High Scores:** Toggle whether players can enter their name, and high scores are shown throughout attract and after finishing a level.
- **Show Compressor Errors:** Toggle whether messages about compressor errors will be shown on monitors.
- **Show Pressure Warnings:** Toggle whether warnings related to compressor pressure will be shown on monitors.
- **Cabinet LED Brightness:** Adjust the brightness of the cabinet lighting elements as a whole.
- **Tradeshow Mode:** Enable this when operating on a trade show, sales floor, or demo floor.
- **Cabinet Motion Enabled:** Enable motion springs.
- **Cabinet Motion Settings:** Toggle the cabinet motion intensity.
    - **Normal:** Default recommended setting.
    - **Smooth:** Reduced frequency of motion and movement.
- **Blower Enabled:** Enable the blower fans in game.
- **Date & Time:** Set the date and time.
- **Language:** Set language: English, Chinese, Traditional Chinese, Spanish (Latin America), Spanish (Spain), French, German, Italian, and Japanese.

Audits

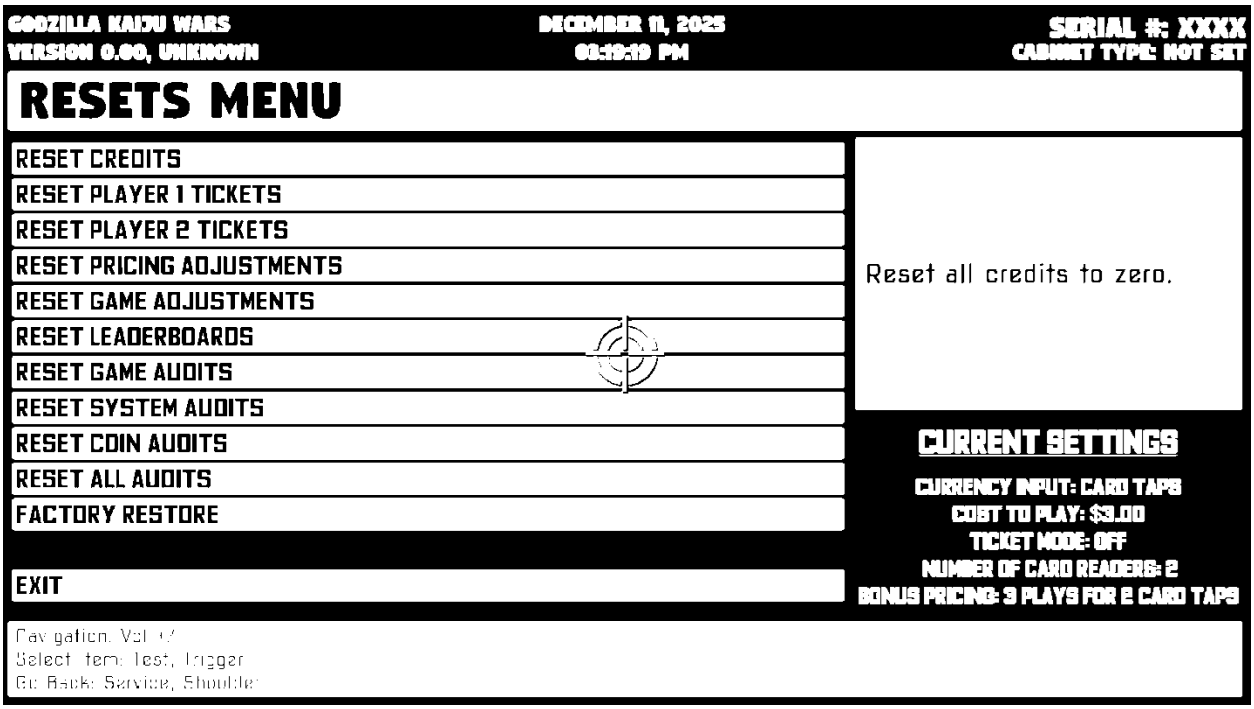
View machine statistics such as games played, money earned, etc.


GODZILLA KAIJU WARS
VERSION 0.00, UNKNOWN
DECEMBER 11, 2025
03:16:23 PM
SERIAL #: XXXX
CABINET TYPE: NOT SET
AUDITS
PAGE 1 OF 38
Godzilla Audit Report
Game Version: 0.00
This Report Was Generated: Thursday, December 11, 2025 3:16:11 PM
Last Audit Reset: Thursday, December 11, 2025 3:03:05 PM
Coin Audits
Setting at Time of Report: Separate Cashboxes
All Cashboxes Combined - Money In $0.00
All Cashboxes Combined - Money In (real money) $0.00
All Cashboxes Combined Money In (from bonus credits) $0.00
All Cashboxes Combined Money Spent $0.00
All Cashboxes Combined Money Unspent $0.00
Taps From Input 1 0
Taps From Input 2 0
Total Taps From All Inputs 0
P1 Cashbox Money In $0.00
P1 Money In (real money) $0.00
P1 - Money In (from bonus credits) $0.00
CURRENT SETTINGS
CURRENCY INPUT: CARD TAPS
COST TO PLAY: $3.00
TICKET MODE: OFF
NUMBER OF CARD READERS: 2
BONUS PRICING: 3 PLAYS FOR 2 CARD TAPS
Navigation: Vol +/-
Go Back: Service, Shoulder

<u>**Changes to pricing adjustments will reset any existing audits back to zero**</u>

Resets

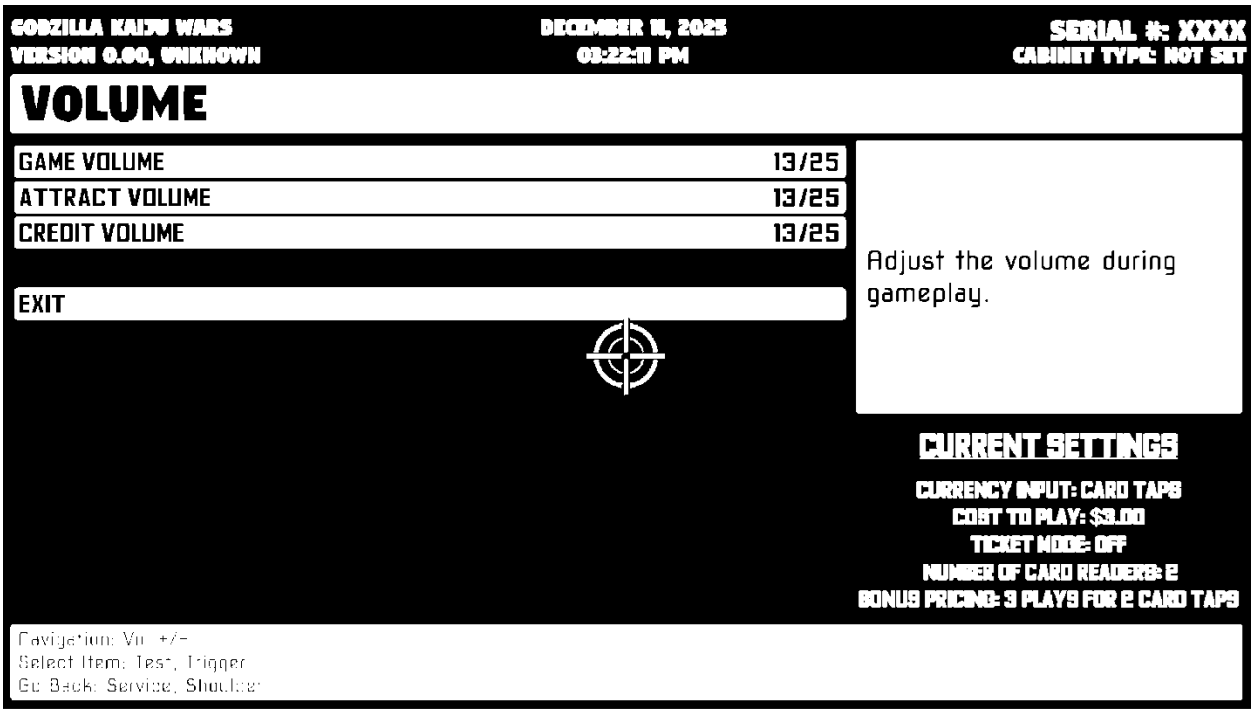
Reset various machine settings and audits.



- **Reset Credits:** Reset all credits to zero.
- **Reset Player 1 Tickets:** Clears out all tickets owed to player 1.
- **Reset Player 2 Tickets:** Clears out all tickets owed to player 2.
- **Reset Pricing Adjustments:** Reset all pricing settings to default.
- **Reset Game Adjustments:** Reset all game settings to default.
- **Reset Leaderboards:** Reset all high score tables.
- **Reset Game Audits:** Reset all game related audits.
- **Reset System Audits:** Reset all system audits.
- **Reset Coin Audits:** Reset all coin audits.
- **Reset All Audits:** Reset all audits.
- **Factory Restore:** Restore game to all factory settings.

Volume

Adjust all volume settings.

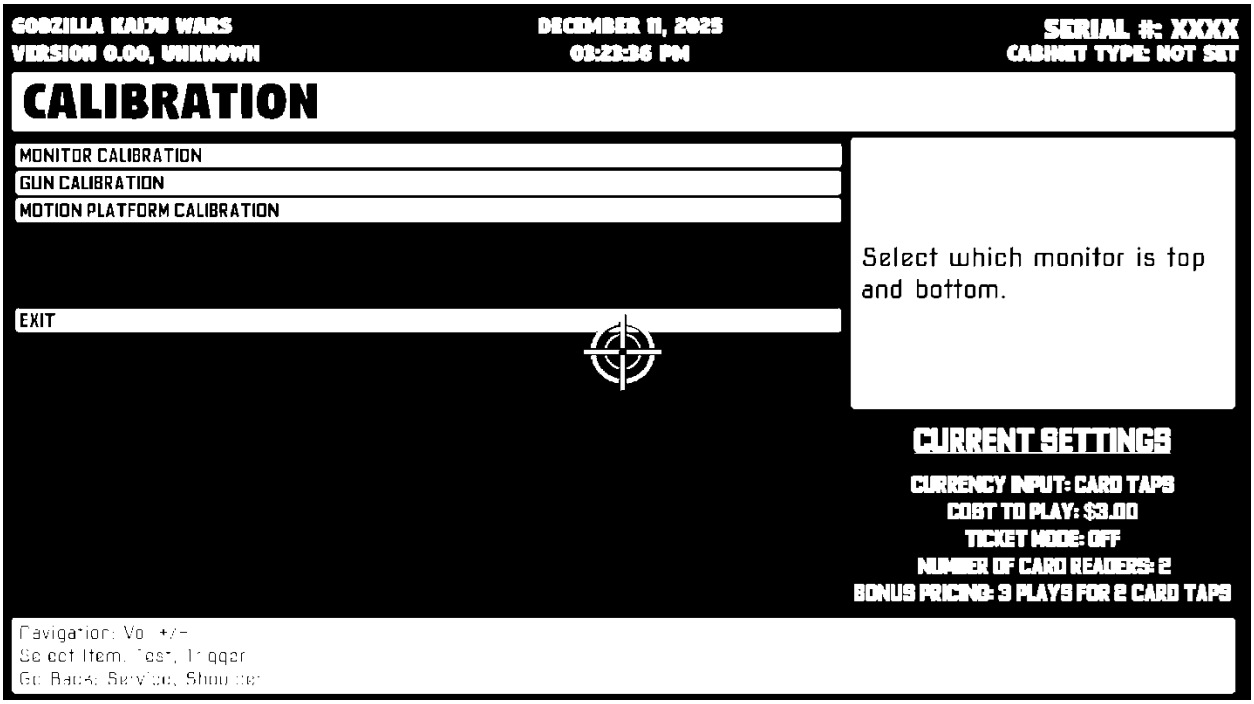


- **Game Volume**: Adjusts the volume during active gameplay.
- **Attract Volume**: Adjusts the volume during the attract mode sequences.
- **Credit Volume**: Adjusts the volume of the credit chime only (independent setting of game and attract volume).

Calibration

Calibrate multiple elements of the cabinet.

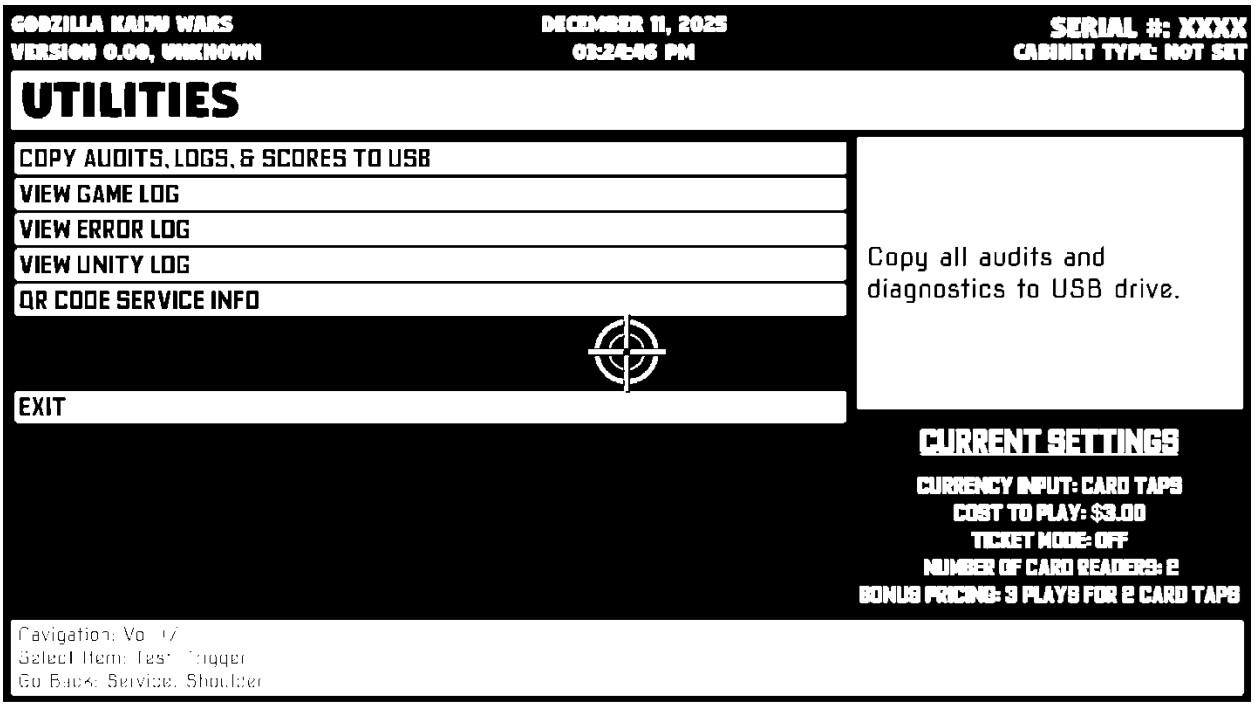
*****MACHINE IS NOT OPERATIONAL WITHOUT FIRST CALIBRATING THE HARDWARE*****



- **Monitor Calibration**: Select which monitor is on top or on bottom.
- **Gun Calibration**: Calibrate the gun sights and reticle.
- **Motion Platform Calibration**: Calibrate the motion platform.

Utilities

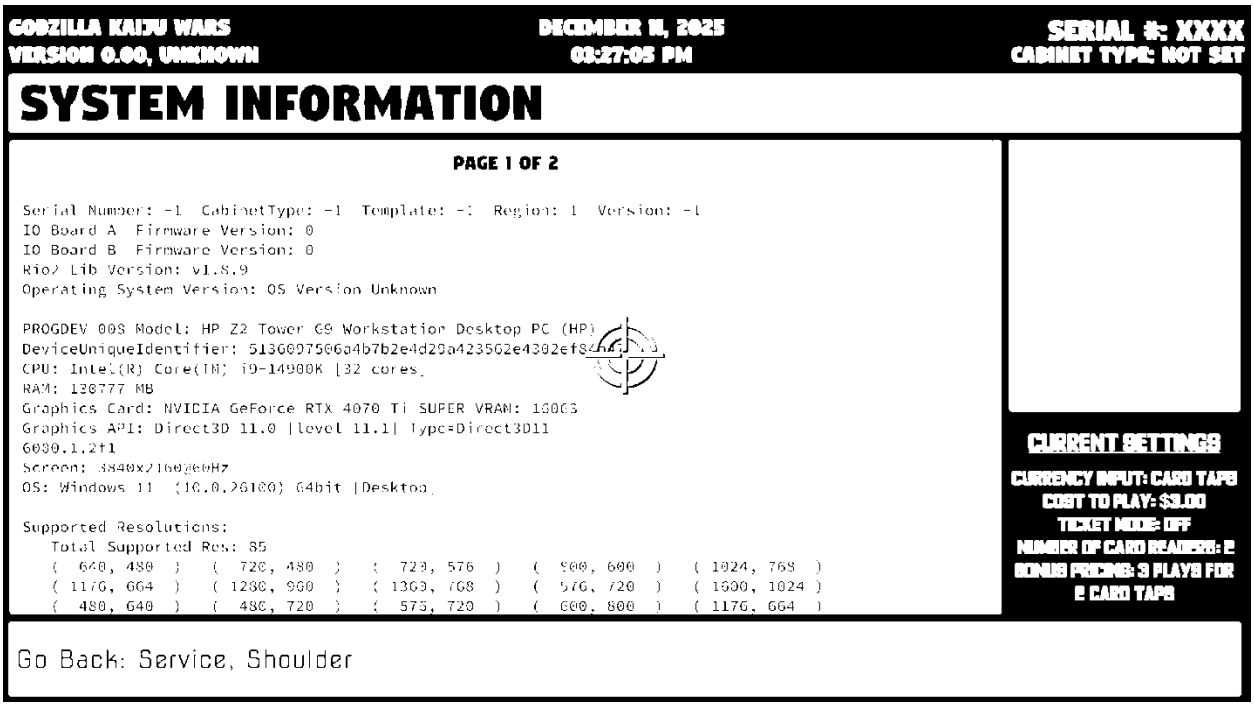
Miscellaneous operator tools.



- **Copy Audits, Logs, & Scores to USB**: Copy all audits and diagnostics to USB drive.
- **View Game Log**: Examine logged messages from the game.
- **View Error Log**: Examine error messages from the game.
- **View Unity Log**: Examine logged messages from Unity.
- **QR Code Service Info**: Send Diagnostics Info to Raw Thrills via cell phone QR scanner.

System Information

View hardware and software information


GODZILLA KAIJU WARS
VERSION 0.00, UNKNOWN
DECEMBER 11, 2025
03:27:05 PM
SERIAL #: XXXX
CABINET TYPE: NOT SET
SYSTEM INFORMATION
PAGE 1 OF 2
Serial Number: -1 CabinetType: -1 Template: -1 Region: 1 Version: -1
IO Board A Firmware Version: 0
IO Board B Firmware Version: 0
Rio2 Lib Version: v1.8.9
Operating System Version: OS Version Unknown
PROGDEV 00S Model: HP Z2 Tower G9 Workstation Desktop PC (HP)
CPU: Intel(R) Core(TM) i9-14900K [32 cores]
RAM: 130777 MB
Graphics Card: NVIDIA GeForce RTX 4070 Ti SUPER VRAM: 16003
Graphics API: Direct3D 11.0 [level 11.1] Type=Direct3D11
6030.1.2f1
Screen: 3840x2160@60Hz
OS: Windows 11 (10.0.26100) 64bit [Desktop]
Supported Resolutions:
Total Supported Res: 85
(640, 480) (720, 480) (720, 576) (800, 600) (1024, 768)
(1176, 664) (1280, 960) (1360, 768) (576, 720) (1600, 1024)
(480, 640) (480, 720) (576, 720) (600, 800) (1176, 664)
CURRENT SETTINGS
CURRENCY INPUT: CARD TAPS
COST TO PLAY: $3.00
TICKET MODE: OFF
NUMBER OF CARD READERS: 2
BONUS PRICING: 3 PLAYS FOR
2 CARD TAPS
Go Back: Service, Shoulder

There are no special menu options for this test menu entry.

Choosing the Right Pricing Adjustments for Your Location

Card Swipe or Tap Locations

- Make Sure Your Game is Set to ***Swipes Mode or Tap Mode***:
  1. Hold the Test Button for 2 seconds to enter the Test Menu.
  2. Select "Pricing Adjustments" from the menu.
  3. Select "Currency Input" from the menu.
  4. Select "Card Swipes" or "Card Taps" from the menu.
  5. Exit out of "Currency Input" menu.
  6. While back in "Pricing Adjustments" menu, set "Swipe Value" or "Tap Value" to the currency equivalent of your swipe or tap, or the coin audits bookkeeping will be incorrect. (Example: If the card swipe or tap is worth $1.50 in your card system, set the swipe or tap value to $1.50 as well).

Coin or Token Locations

- Make Sure Your ***Pricing*** & ***Coin Value*** are Correct:
  1. Hold the Test Button for 2 seconds to enter the Test Menu.
  2. Select "Pricing Adjustments" from the menu.
  3. Select "Currency Input" from the menu.
  4. Select "Cash" or "Tokens" from the menu.
  5. Exit out of "Currency Input" menu.
  6. While back in "Pricing Adjustments" menu
     a. Select "Coins to Play" and set the desired amount of coins per game of *Godzilla Kaiju Wars Deluxe*™.
     b. After setting the coins per play, set "Coin Value" to the currency equivalent of your coin, or the coin audits bookkeeping will be incorrect. (Example: If your coin is worth $0.25, set "Coin Value" to $0.25 as well).

PC Hardware

Your *Godzilla Kaiju Wars Deluxe*™ game uses a **Lenovo M70t Gen3 Desktop PC computer with an RTX 3050 Video Card.**

(*above: Lenovo M70t Gen3 Desktop PC*)

NOTICE

WARNING: DO NOT ENTER THE BIOS SETTINGS MENU! Modifying the BIOS settings will cause your game to stop functioning. In order to boot, new security features verify the BIOS settings against factory settings, including timestamp.

PC Hard Drive Recovery

Symptoms requiring a PC hard drive recovery include:

- File test reports bad or missing files.
- Game fails to finish loading during setup.
- After resetting the AC power, an error is reported.
- Erratic Game or Attract Mode behavior.

The only way to repair corrupt files is to reinstall the software as described below:

Computer

The computer contains sensitive components. Do not handle roughly. Contact your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.

Do ***not*** use the PC on/off switch. Turn AC power on or off with the cabinet power switch.

Steps to Re-Install the software (the game ships a USB drive that can be used in the steps below):

(NO DVD Restoration. USB Thumb Drive is used on the *Lenovo M70t Gen3*)

1. With game and PC on, verify that the RIO2 board has power. If not, see Troubleshooting.
2. Open the upper back door of the cabinet.
3. Insert the recovery USB thumb drive (included in your game) into an open USB port on the PC.
4. Turn cabinet power switch to OFF. Wait 30 seconds.
5. Turn cabinet power switch to ON. Wat for install menu to load.
6. Once the install menu has loaded, press the Test button on the service bracket to select the installation program and then press the Test button to confirm that you want to continue with the installation.
7. Follow on screen instructions to begin recovery.
8. If recovery does not begin, check to ensure USB Drive is inserted correctly and is not damaged.
9. Initial software loading may take several minutes. Check progress periodically.
   Do not interrupt power or reset the game during recovery.
10. When software has been loaded, a message indicates that restore is complete. When instructed to remove USB Drive, wait 15 seconds to remove the drive from the PC.
11. Turn cabinet power switch off. Wait 30 seconds. Turn the cabinet on again'
12. Your game will now be restored.

Troubleshooting

Warning: Review the Safety section before making any adjustments to the game.

Problem	Possible Cause	Solution
Game will not power up.	Game not plugged in.	Plug game into AC outlet.
	Game not turned on.	Turn on main power switch.
	Game fuse is blown.	Check and replace fuse. See Specification section for fuse values.
	No power to receptacle.	Test AC outlet and plug game into powered outlet.
	PC BIOS set incorrectly.	Contact your distributor.
	Flash Drive Installer is left connected to PC.	Disconnect Flash Drive Installer and power cycle the game.
Buttons do not work.	Faulty micro switch.	Replace the micro switch on the button and re-test. Verify that the wires are connected to the correct spades on the micro switch.
	Faulty wiring.	Disconnect the cabinet from AC power. Verify that all wires are firmly connected to each button and the PCB. Verify that no wires are frayed or improperly shorting to ground. Verify that wires are connected to the correct spades on the micro switches.
	Faulty PCB.	Ensure all connections to PCB are secure. Replace PCB if faulty.
Neither buttons nor audio work.	PCB connected to faulty USB port (boot message may indicate not detected)	To test a USB port, turn off the game, disconnect the device from the port, and then connect the game dongle to the port. Reboot the game. A No Dongle message indicates the port is bad. If the game starts, the port is working. After the test, reconnect all devices to the correct USB ports and reboot.

Problem	Possible Cause	Solution
No sound or bad sound.	Bad connection.	Check connection to speakers.
	Volume set too low.	Use VOL UP button on Test panel to raise volume
	Faulty wiring.	Verify all wires are firmly connected to the speakers and the audio PCB. Verify that audio PCB is connected to the computer via USB cable.
	Blown speakers.	Remove the grill and inspect each speaker for visible damage. Run the Sound Test from System Tests in the Operator Menu to verify each speaker is working.
	Reversed wires.	A weak or low muffled sound is a sign of reversed speaker wires. Check for reversed wires on each speaker.
	Faulty PCB.	To verify audio is working at the computer, disconnect the USB cable coming from the audio PCB and connect stereo headphones to the green computer audio port.
Constant low audio hum.	Faulty power supply.	Check external DC supply and the PC supply.
	Open ground.	Check all ground wires in cabinet. Ensure AC wall outlet is properly grounded.
RIO2 disconnected	USB cable disconnected.	Check USB connection from PC to RIO2 board.
	No power to RIO2 board.	Check for proper voltage (+5V, +12V) at RIO2 P1 connector.
	Ethernet cable is not connected.	Connect the ethernet cable between the two computers.
No motion during gameplay.	Motion is not enabled.	Enable motion via Test Menu under System Settings.
Message on screen: Game dongle not found. Please RECONNECT the game dongle.	Dongle missing or disconnected.	Find the dongle cable and reseat in USB port.
	Faulty USB port.	Insert dongle cable in different USB port.

Problem	Possible Cause	Solution
Message on screen: Insufficient RAM, 16GB required.	Loose or disconnected RAM stick.	Contact your distributor for service.
	Faulty RAM stick.	Contact your distributor for service.
Message on screen: GFX card missing. Please RECONNECT the GFX card.	Loose or disconnected graphics card.	Contact your distributor for service.
	Faulty graphics card.	Contact your distributor for service.
Game does not load.	PC hard drive failure.	Recover hard drive. See Flash Installer Document or contact your distributor for the latest software revision.
PC Drive test reports "bad" or "missing" files.		
Game fails to finish loading.		
After resetting, game still reports an error.		
Erratic game mode or attract mode.		
WARNING! Data files Corrupted. (Game Operation May Become Unstable.)		
Game Resets	Bad file.	Run Flash Installer.
No Video	PC not turned on.	Turn PC power switch on. Ensure IEC cable tightly plugged in. Trace cable back to source to ensure continuity.
	Video cable not secure.	Check and secure DVI or HDMI connector to Monitor. Check and secure DVI or HDMI connector to PC.
	Cabinet was powered on too quickly after a manual shutdown/power loss	Shut off cabinet via both switches at rear of cabinet. Leave off for 30 seconds, then power back on.

Problem	Possible Cause	Solution
Coin meter does not click during test.	No pulse to meter.	Check wiring from meter to PCB board.
	Faulty meter.	Replace coin meter.
Exits Test Mode every 3 seconds.	Test button stuck in ON position.	Slide or toggle button off after Test Menu appears
Improper number of credits given when bills are inserted.	Incorrect setting in Pricing Adjustments.	Adjust pricing settings.
	Faulty wiring.	Disconnect cabinet from AC power. Verify wires are firmly connected to bill validator and ground wires are properly connected. Verify no wires are frayed or shorting to ground.
Compressor does not turn on/low humming noise coming from the compressor	Compressor power cut off while it was running.	Shut off cabinet via both switches at rear of cabinet. Leave off for 3 minutes, then power back on.

Technical Support

Betson's Raw Thrills Technical Support Hotline
Phone: 1-800-753-2513
FAX: 1-201-438-5019
Email: rtsupport@betson.com

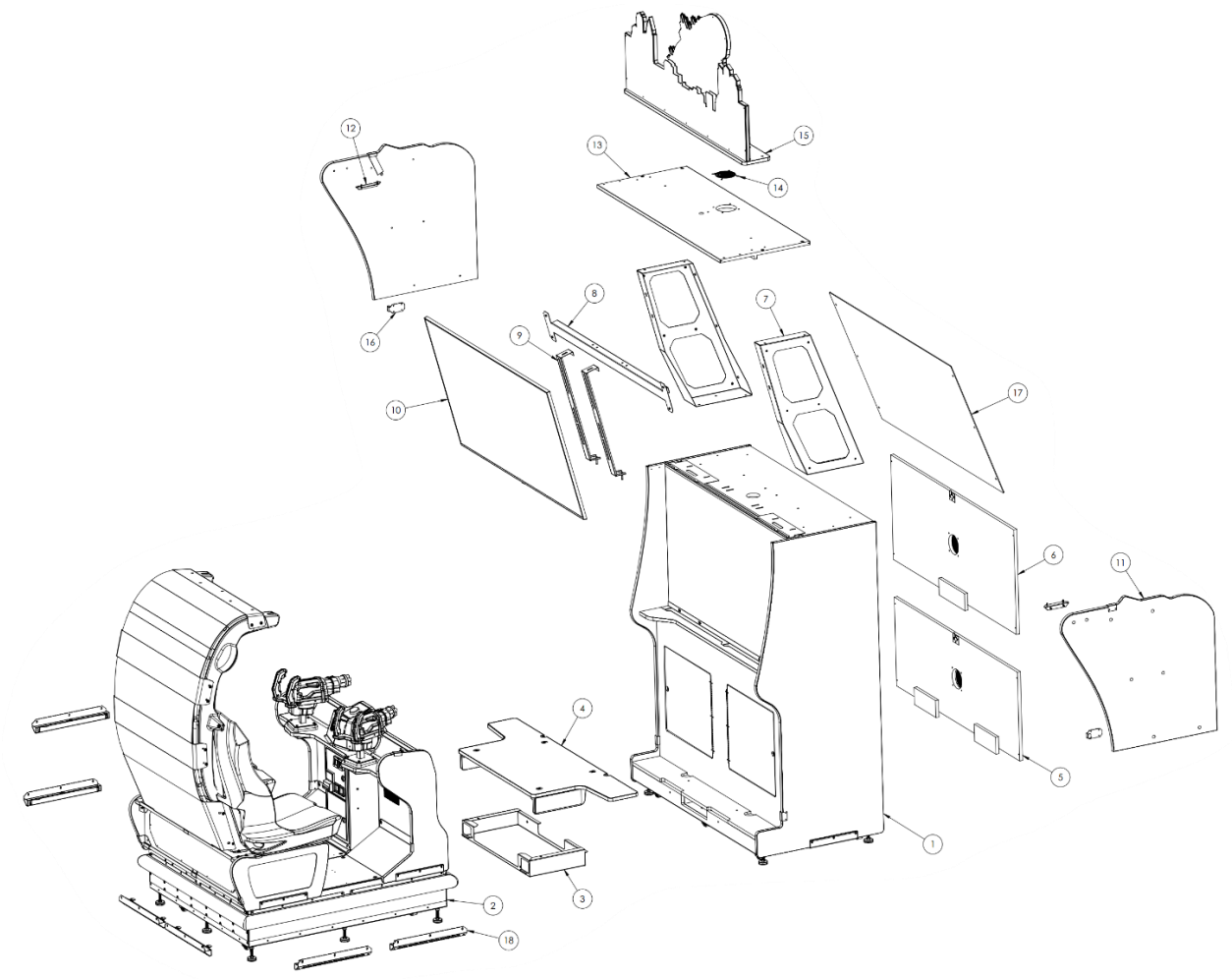
For an authorized distributor near you, check the Raw Thrills website at www.rawthrills.com/sales/

For Sales, Game Registration, Support and Software Please Visit Our Web Site:

www.rawthrills.com/service/

Electrical and Mechanical Illustrations

Game Exploded Drawing

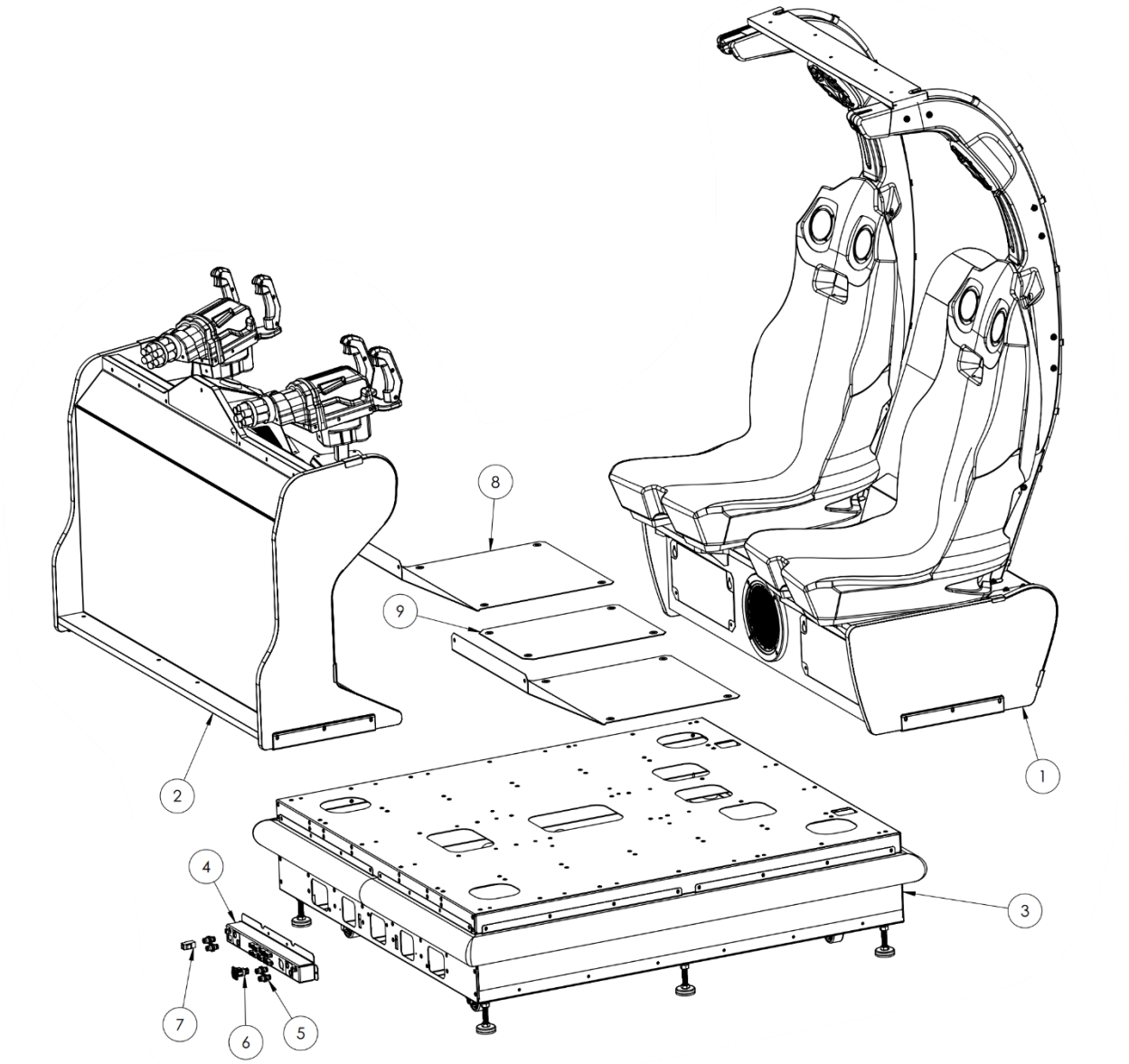


Game Exploded Parts & Art Tables

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Monitor cabinet assembly	Monitor cabinet assembly	1
2	Pedestal cabinet assembly	Pedestal cabinet assembly	1
3	R1-1325	Spacer cabinet bracket	1
4	R90-23-71	Spacer cabinet cap	1
5	AS-4282	Lower back door assembly	1
6	AS-4281	Upper back door assembly	1
7	R1-1296	Upper right side bracket	1
7 mirror	R1-1297	Upper left side bracket	1
8	R1-1328	Upper cross bar bracket	1
9	R1-1210	15° VESA bracket	2
10 (120V)	R90-AP-59	Samsung 65" BE series monitor, 120V	1
10 (230V)	R90-AP-42	LG 65" UL3J-E series monitor, 120/230V	1
11	AS-4287	Upper right side panel assembly	1
11 mirror	AS-4288	Upper left side panel assembly	1
12	R1-1336	Upper shelf support bracket	2
13	R90-23-74	Upper shelf	1
14	800-00001-00	Fan guard	1
15	AS-4388	Marquee assembly	1
16	R1-1330	T-molding cover bracket	2
17	R4-1072	Upper back cover	1
18	AS-4022	Downlighting assembly	6

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-249	Spacer cabinet cap decal	1
R90-13-250	Spacer cabinet side warning decal	2
R90-13-300	Upper cover decal	1

Pedestal Assembly Exploded Drawing w/Cabinet Art Table

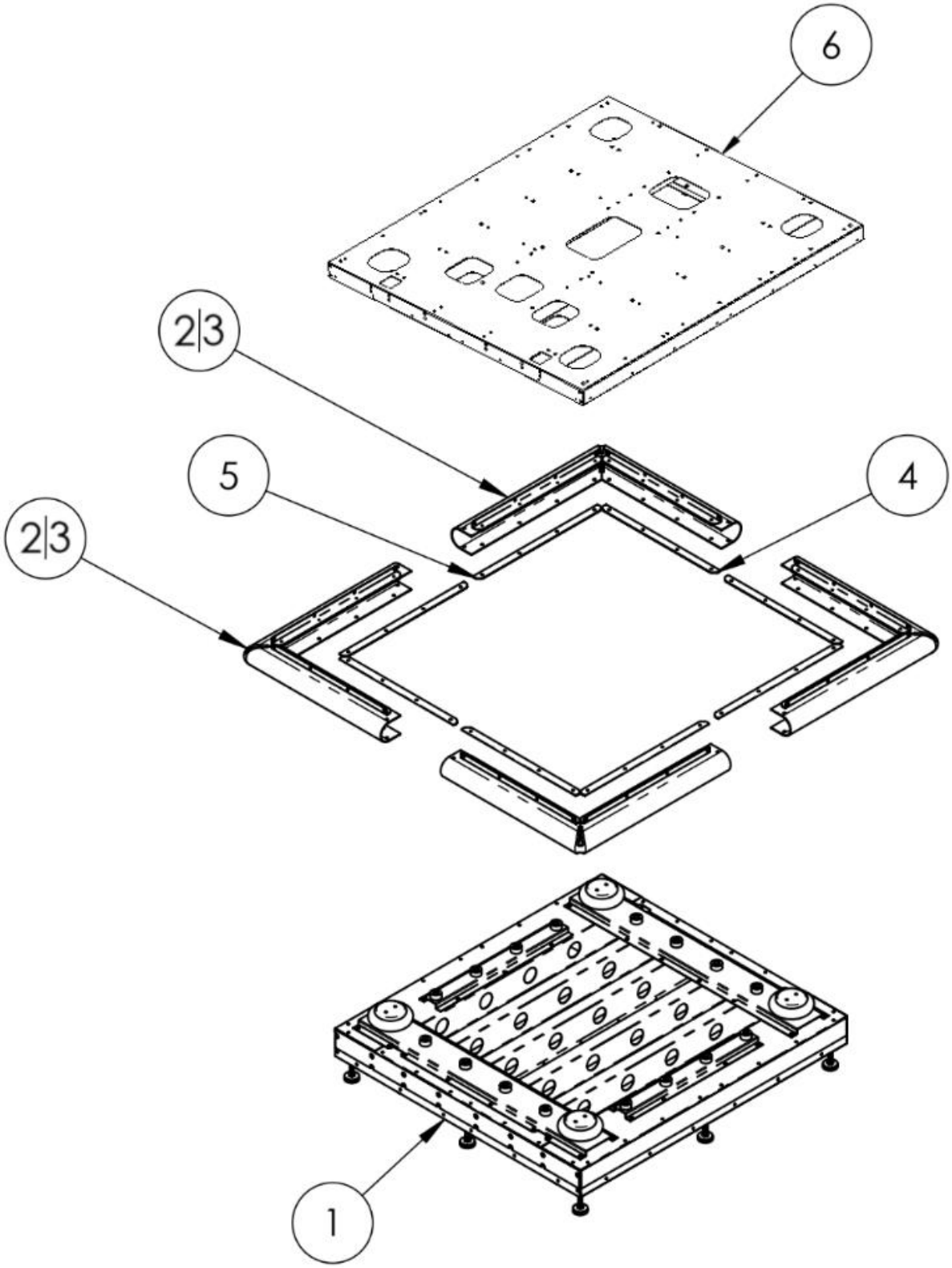


Pedestal Assembly Exploded Parts & Art Tables

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Seat cabinet assembly	Seat cabinet assembly	1
2	Control cabinet assembly	Control cabinet assembly	1
3	Motion platform assembly	Motion platform assembly	1
4	R1-1322	Panel mount bracket	1
5	R90-17-4	Panel mount push-to-connect fitting, 1/4" to 1/4" tube OD	4
6	Partec - 8-715	Panel mount USB 3.0 B-A feedthrough	1
7	Partec - 8-655-1	Panel mount ethernet coupler	1
8	R1-1041	Footrest treadplate	2
9	R1-1042	Center treadplate	1

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-237	Airline label (0, 2)	1
R90-13-238	Airline label (1, 3)	1

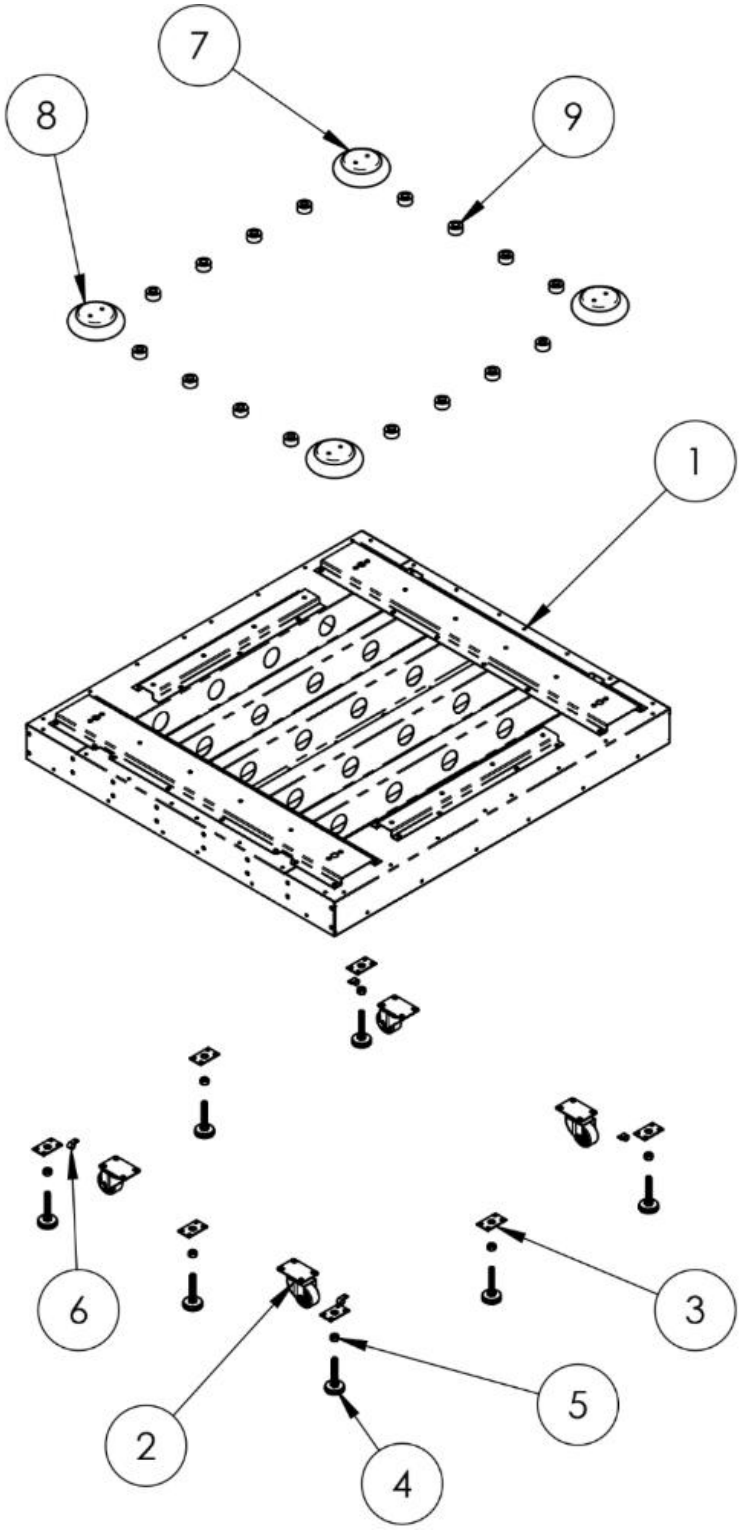
Motion Platfrom Exploded Drawing



Motion Platfrom Exploded Parts Table

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Base platform assembly	Base platform assembly	1
2	Skirt assembly - A	Skirt assembly - A	2
3	Skirt assembly - B	Skirt assembly - B	2
4	R1-1079	Front/rear skirt retainer plate	4
5	R1-1080	Side skirt retainer plate	4
6	Top platform assembly	Top platform assembly	1

Motion Platform Bottom Exploded Drawing

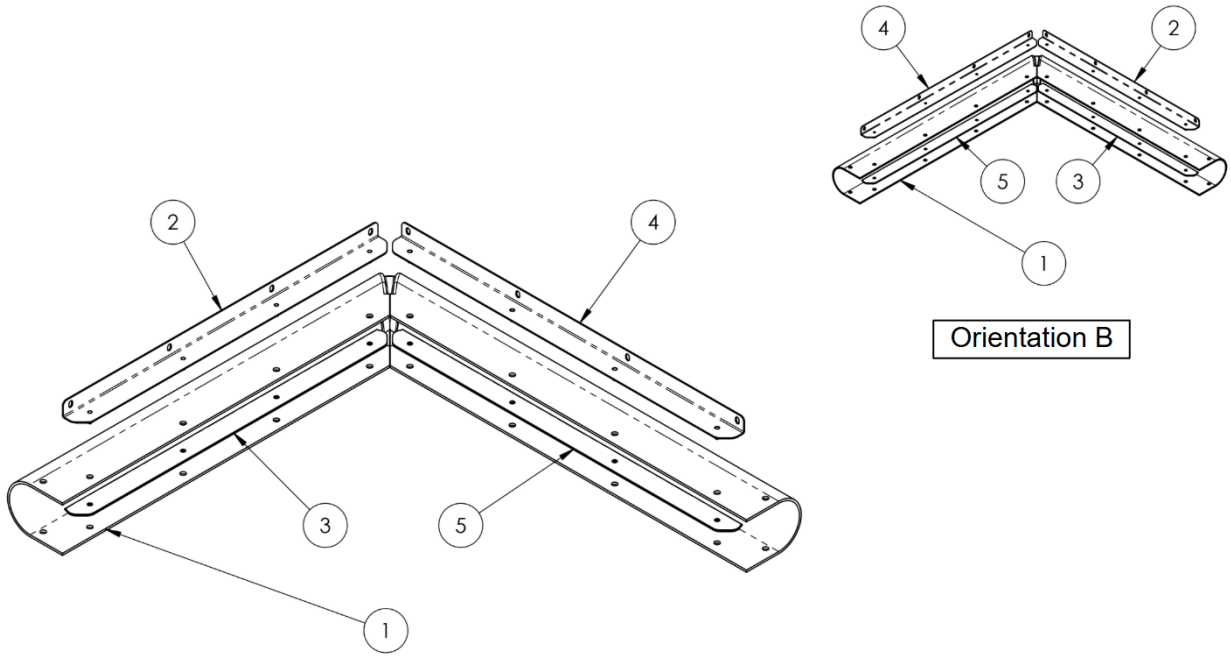


Motion Platform Bottom Exploded Parts & Art Tables

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RAP-103	Base platform weldment	1
2	800-00087-01	Caster, 2.5" diameter wheel	4
3	600-01633-01	Leg leveler plate	7
4	Partec - 17-278	Leg leveler, 1/2"-13 thread, 3" long	7
5	McMaster-Carr - 95462A033	1/2"-13 nut	7
6	Partec - 4-102	Wire harness clip, 1/2"	4
7	AS-4033	Front air spring assembly	2
8	AS-4032	Rear air spring assembly	2
9	600-02837-01	Rubber bumper	16

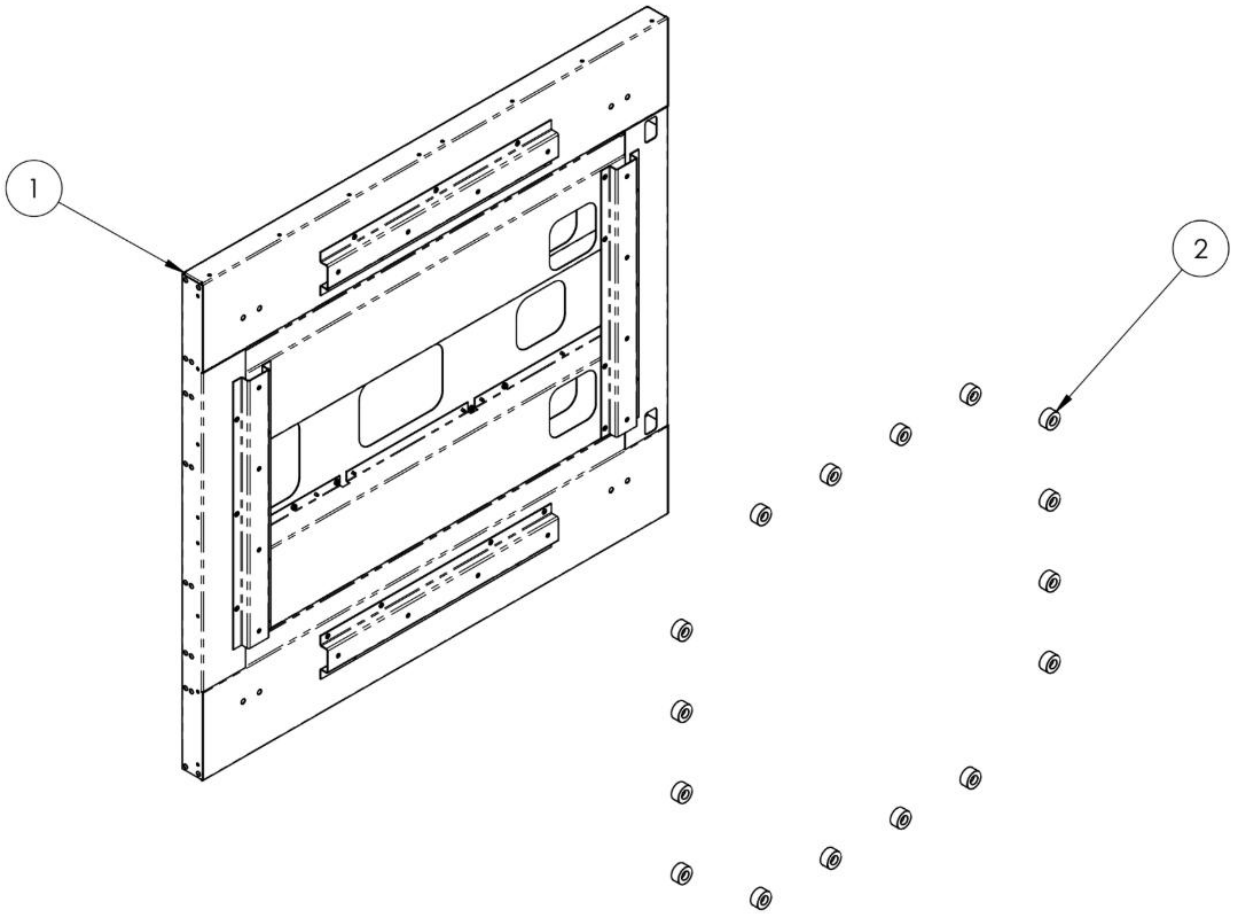
ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-23	Base platform front/rear caution decal	1
R90-13-24	Base platform side caution decal	2

Motion Platform Skirt Exploded Drawing w/Parts Table



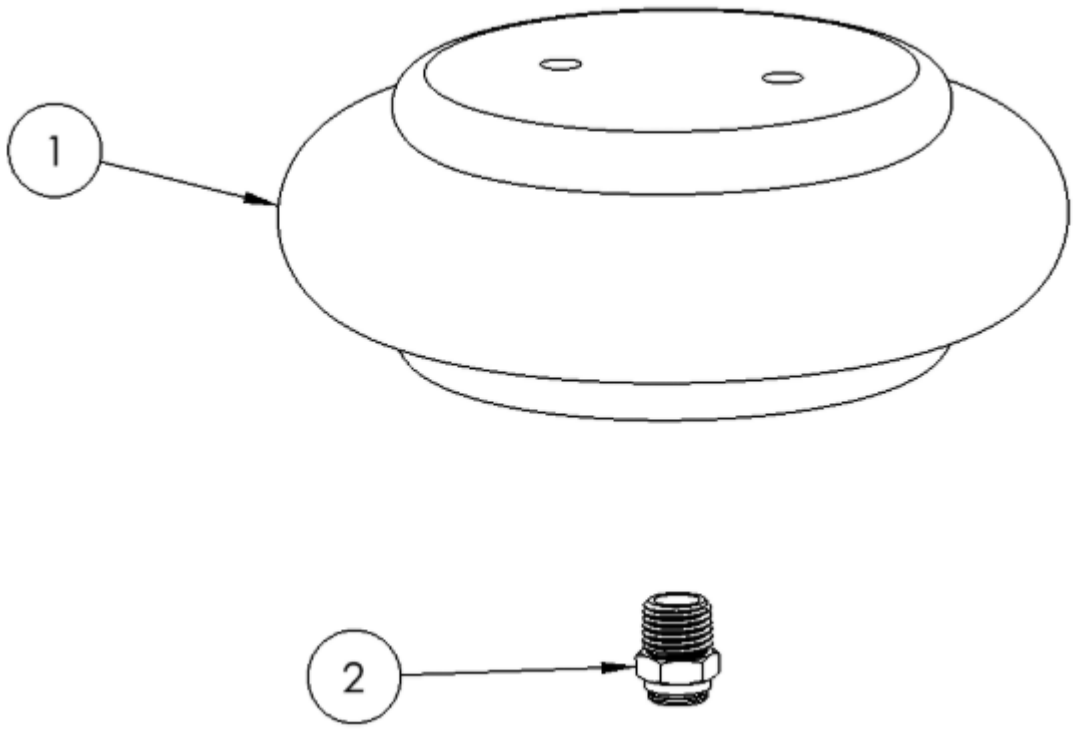
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R7-1000	Rubber safety skirt	1
2	R1-1081	Front/rear skirt retainer bracket	1
3	R1-1079	Front/rear skirt retainer plate	1
4	R1-1082	Side skirt retainer bracket	1
5	R1-1080	Side skirt retainer plate	1

Motion Platform Top Exploded Drawing w/Parts Table



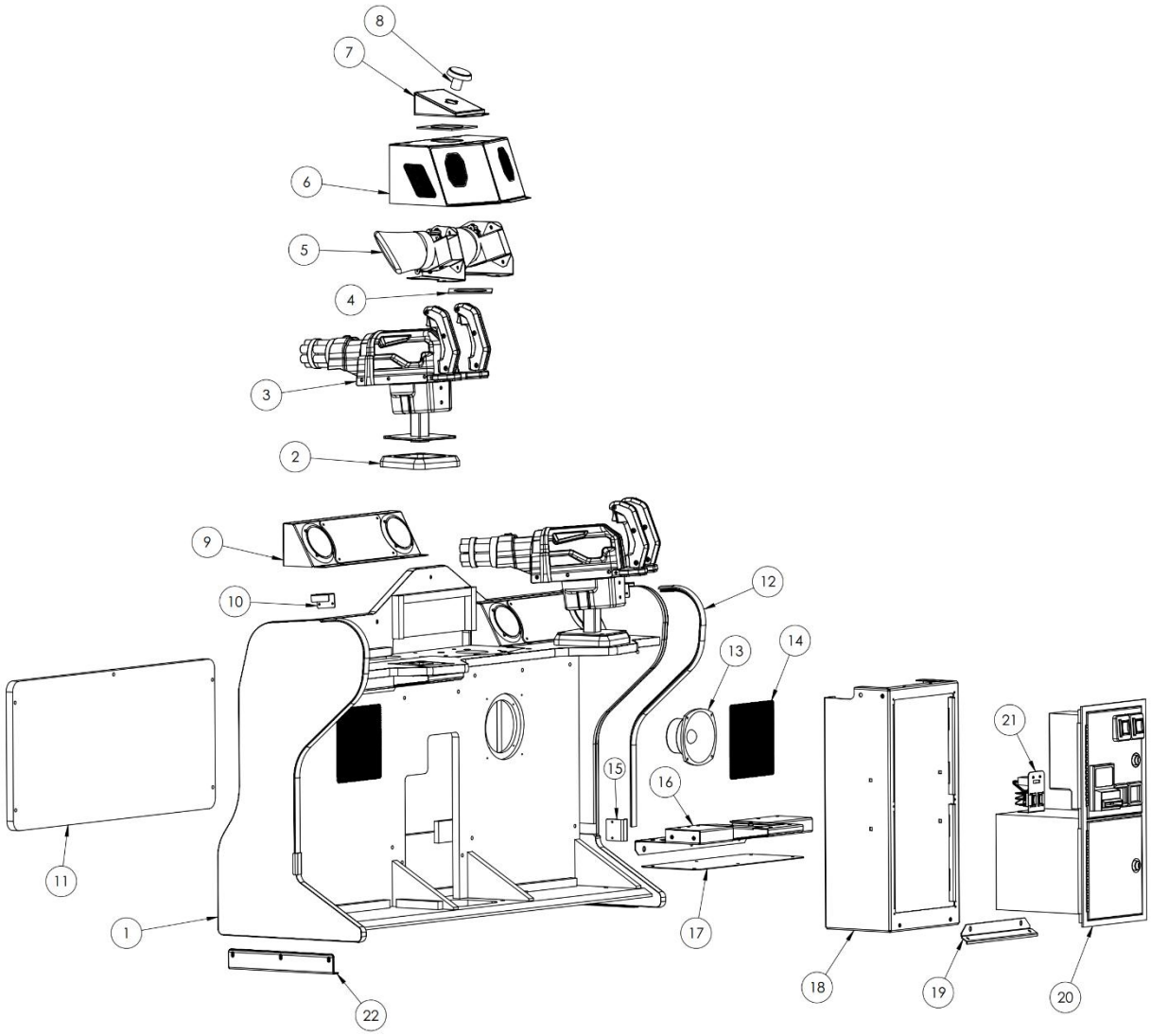
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RAP-104	Top platform weldment	1
2	600-02837-01	Rubber bumper	16

Air Spring Exploded Drawing w/Parts Table



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	804-00074-01	Air spring	1
2	Partec - 17-330	Push-to-connect fitting, 1/4" tube OD, 1/4" NPT male	1
Not shown	Partec - 42-156-BLUPOLY	5/32" ID x 1/4" OD blue poly tubing	19" or 55"

Control Cabinet Exploded Drawing

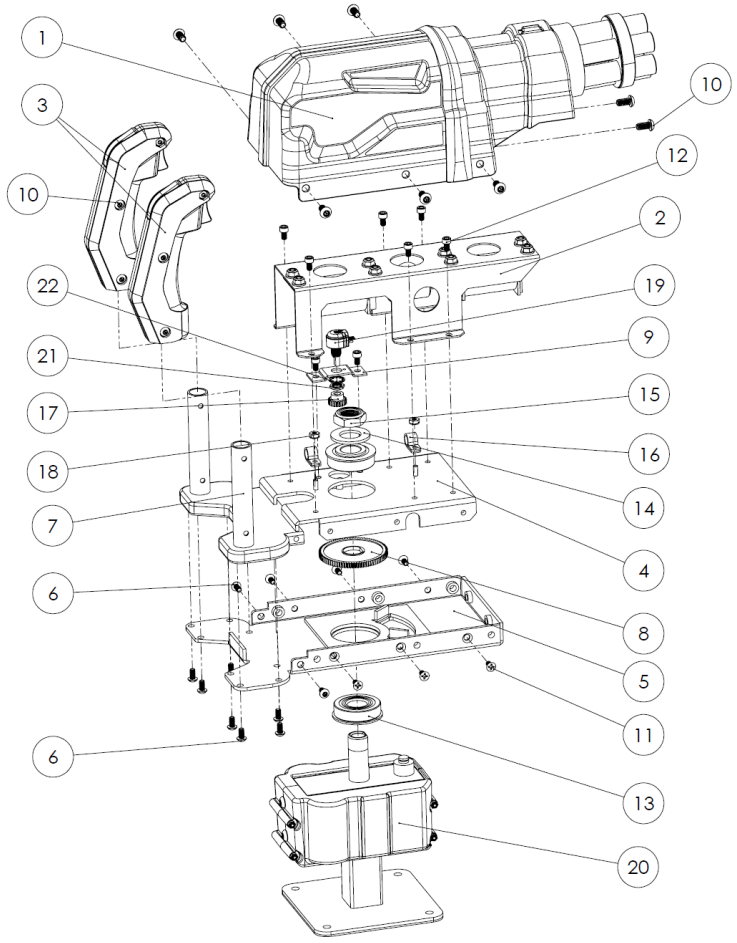


Control Cabinet Exploded Parts & Art Tables

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-70	Control cabinet	1
2	R4-1071	Gun mount riser	2
3	AS-4009	Gun mech assembly	2
4	R7-1008	Rubber gasket	2
5	AS-4017	Mini blower assembly	2
6	RAP-100	Dual blower cover weldment	1
7	R1-1038	Motion stop button bracket	1
8	AB-114	Motion stop button	1
9	AS-4064	Dash dual speaker assembly	2
10	600-03093-01	T-molding cover bracket	2
11	R90-23-79	Control cabinet back door	1
12	603-00718-01	LED T-molding	2
13	2-1-10-00-00-000	Speaker, 5-1/4" diameter, 8 ohm	2
14	600-01464-01	5-1/4" speaker grill	2
15	R1-1326	T-molding cover bracket	2
16	RAP-133	Gun mount right weldment	1
16 mirror	RAP-134	Gun mount left weldment	1
17	R1-1304	Gun mount access plate	2
18	RAP-107	Coin vault weldment	1
19	R1-1090	Base edge guard bracket	1
20	800-00005-00	Mid-width coin door assembly	1
21	AS-4358	Test bracket assembly	1
20/21 alt.	AS-4359	Cashless door w/ test bracket assembly	1
22	603-01002-01	12" T-molding retainer clip, clear	2

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-38	Motion stop decal	1
R90-13-39	Blower cover top decal	1
R90-13-40	Blower cover P1 decal	1
R90-13-41	Blower cover P2 decal	1
R90-13-48	Upper front control cabinet decal	1
R90-13-152	Motion stop right decal	1
R90-13-153	Motion stop left decal	1
R90-13-243	Control cabinet right side decal	1
R90-13-244	Control cabinet left side decal	1
R90-13-247	Control cabinet dash panel decal	1
R90-13-248	Control cabinet front door decal	1
R90-13-255	Control cabinet top angled panel decal	1
R90-13-256	Control cabinet front panel decal	1

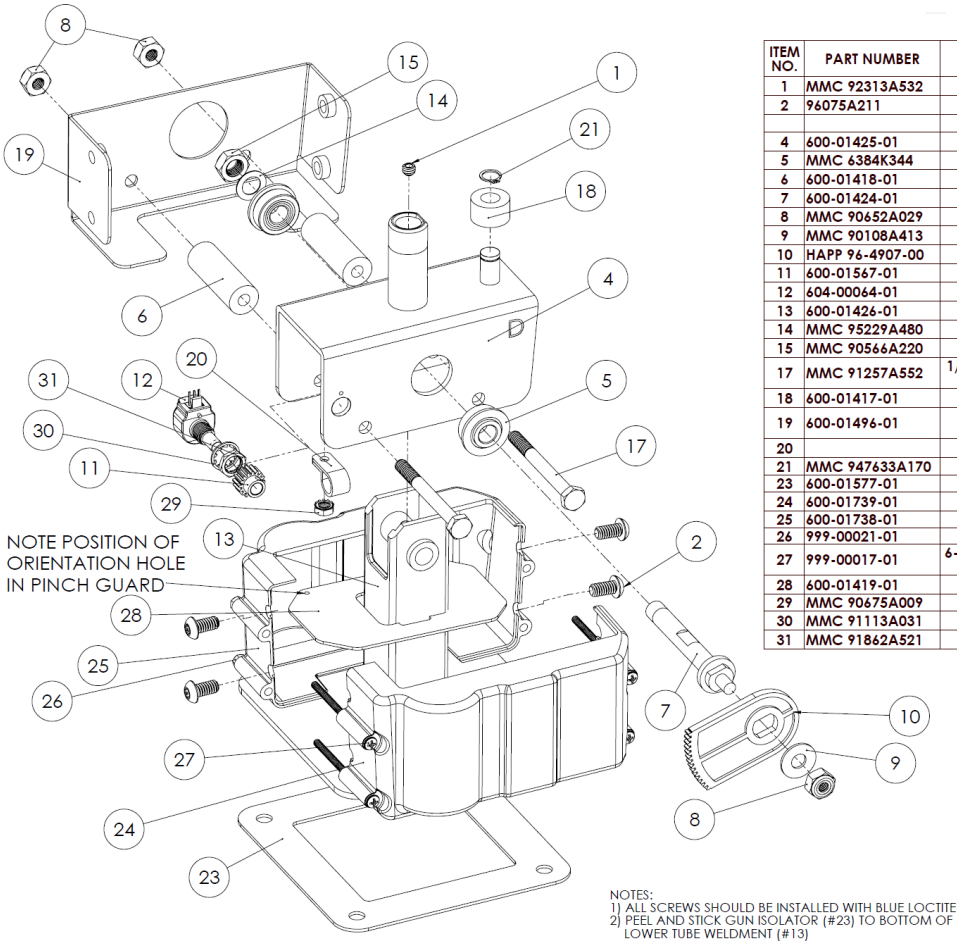
Gun Top Assembly Exploded Drawing w/Parts Table



ITEM NO.	PART NUMBER	DESCRIPTION	Default/ QTY.
1		GUN COVER & TIP ASSEMBLY	1
2		SHAKER ASSEMBLY	1
3		GRIP ASSEMBLY	2
4	600-01422-01	PIN PLATE	1
5	600-01423-01	COVER BRACKET	1
6	MMC 96075A183	10-32 x 3/8" BLK TP SCREW	10
7	600-01411-01	GRIP PLATE WELDMENT	1
8	600-01420-01	LARGE GEAR	1
9	600-01491-01	POT BRACKET	1
10	MMC 96075A211	1/4-20 X 1/2" BLK TP SCREW	20
11	MMC 90273A827	10-32 X 3/8" FLAT HEAD SCREW	6
12	MMC 91251A337	10-32 X 5/16" CAP SCREW	8
13	MMC 6384K369	3/4" FLANGED BEARING	2
14	MMC 90126A036	3/4" WASHER	1
15	MMC 91342A240	3/4" LOCKNUT	1
16		CABLE CLAMP	2
17	600-01567-01	SMALL POT GEAR	1
18	MMC 90675A009	8-32 LOCKNUT	2
19	604-00064-01	360° JACKPOT	1
20		LOWER MECH ASSEMBLY	1
21	MMC 91862A521	3/8"-32 NUT	1
22	MMC 91113A031	3/8" INTOOTH WASHER	1

NOTES:
1) ALL SCREWS SHOULD BE INSTALLED WITH BLUE LOCTITE 242 or 243.
2) THE 3/4" LOCKNUT (15) IS TIGHTENED UNTIL THE TOP IS FLUSH WITH THE TOP OF THE TUBE IN THE LOWER MECH ASSEMBLY (20).

Gun Lower Mech Assembly Exploded Drawing w/Parts Table

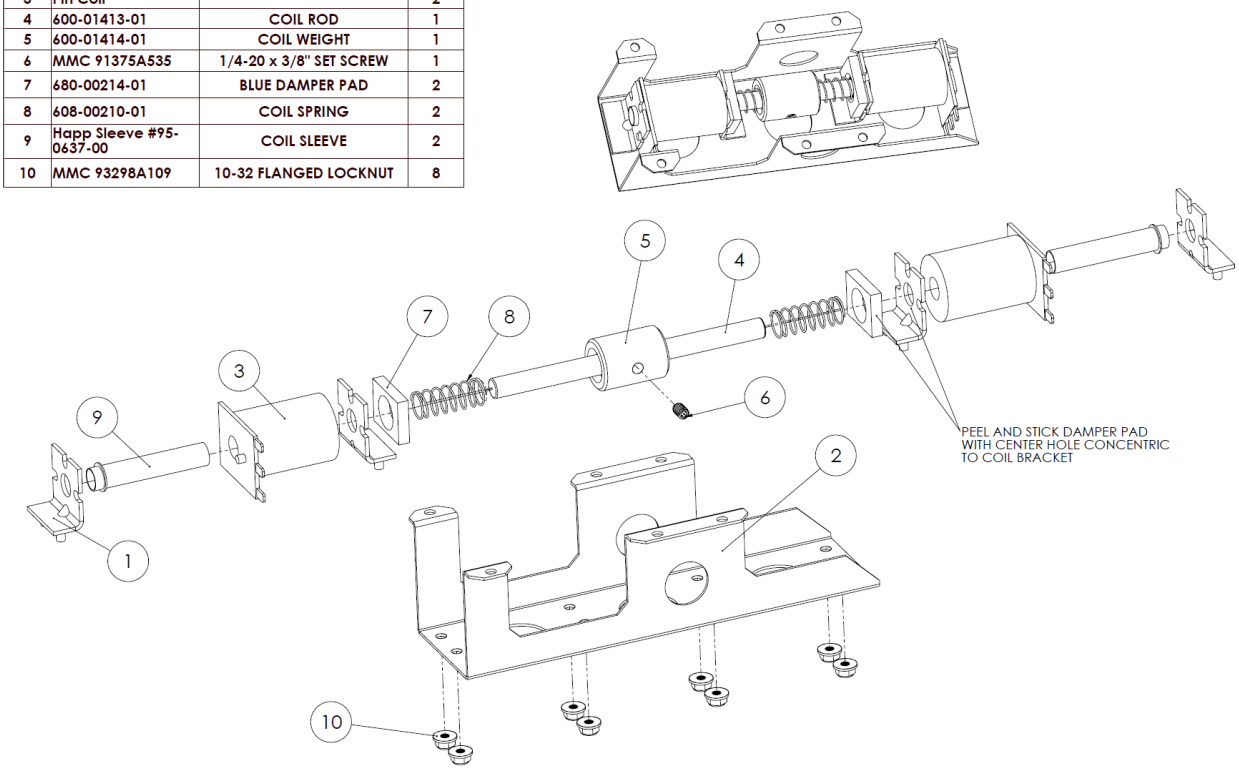


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MMC 92313A532	1/4-20 x 3/16" SET SCREW	1
2	96075A211	1/4-20 x 1/2" BLACK TP SCREW	4
4	600-01425-01	ROCKER BRACKET	1
5	MMC 6384K344	3/8" FLANGED BEARING	2
6	600-01418-01	TUBE STOP BUMPER - 5/8" OD	2
7	600-01424-01	SIDE PIN	1
8	MMC 90652A029	1/4-20 THIN LOCKNUT	3
9	MMC 90108A413	1/4-20 WASHER	1
10	HAPP 96-4907-00	SEGMENT GEAR	1
11	600-01567-01	POT GEAR	1
12	604-00064-01	360° JACKPOT	1
13	600-01426-01	LOWER TUBE WELDMENT	1
14	MMC 95229A480	3/8" WASHER	1
15	MMC 90566A220	3/8" THIN LOCKNUT	1
17	MMC 91257A552	1/4-20 x 2 1/2 HEX HEAD - GRADE 8	2
18	600-01417-01	SHORT STOP BUMPER - 3/4" OD	1
19	600-01496-01	LOWER VACFORM MOUNTING BRACKET	1
20		CABLE CLAMP	1
21	MMC 947633A170	RETAINING CLIP	1
23	600-01577-01	GUN ISOLATOR	1
24	600-01739-01	BOTTOM COVER - RIGHT	1
25	600-01738-01	BOTTOM COVER - LEFT	1
26	999-00021-01	6-32 HEX LOCKNUT - BLACK	4
27	999-00017-01	6-32 X 2.5" PHILLIPS HEAD SCREW - BLACK	4
28	600-01419-01	PINCH COVER	1
29	MMC 90675A009	8-32 KEPS NUT	1
30	MMC 91113A031	3/8" INTOOTH WASHER	1
31	MMC 91862A521	3/8"-32 NUT	1

NOTES:
1) ALL SCREWS SHOULD BE INSTALLED WITH BLUE LOCTITE 242 or 243.
2) PEEL AND STICK GUN ISOLATOR (#23) TO BOTTOM OF LOWER TUBE WELDMENT (#13)

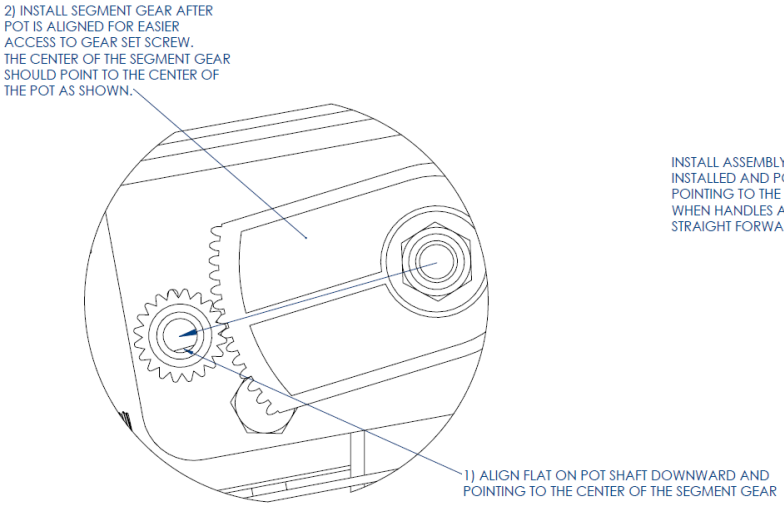
Gun Shaker Assembly Exploded Drawing w/Parts Table

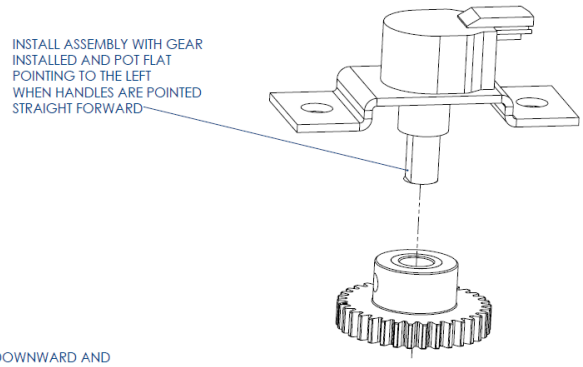
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-01576-01	COIL MOUNT BRACKET	4
2	600-01412-01	COIL BRACKET	1
3	Pin Coil		2
4	600-01413-01	COIL ROD	1
5	600-01414-01	COIL WEIGHT	1
6	MMC 91375A535	1/4-20 x 3/8" SET SCREW	1
7	680-00214-01	BLUE DAMPER PAD	2
8	608-00210-01	COIL SPRING	2
9	Happ Sleeve #95-0637-00	COIL SLEEVE	2
10	MMC 93298A109	10-32 FLANGED LOCKNUT	8



NOTES:
1) SET SCREW AND LOCKNUTS SHOULD BE INSTALLED WITH RED LOCTITE 262.

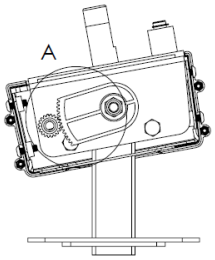
Up/Down & Left/Right Pot Alignment Exploded Drawing


2) INSTALL SEGMENT GEAR AFTER POT IS ALIGNED FOR EASIER ACCESS TO GEAR SET SCREW. THE CENTER OF THE SEGMENT GEAR SHOULD POINT TO THE CENTER OF THE POT AS SHOWN.
1) ALIGN FLAT ON POT SHAFT DOWNWARD AND POINTING TO THE CENTER OF THE SEGMENT GEAR

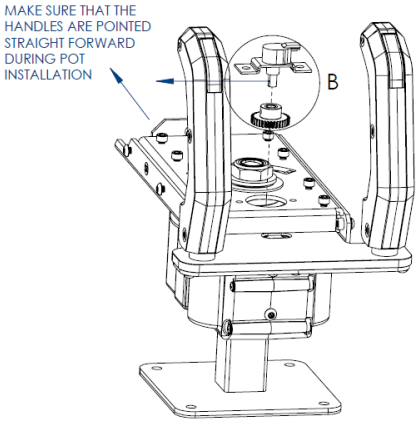


DETAIL B
SCALE 2 : 1

DETAIL A
SCALE 2 : 1

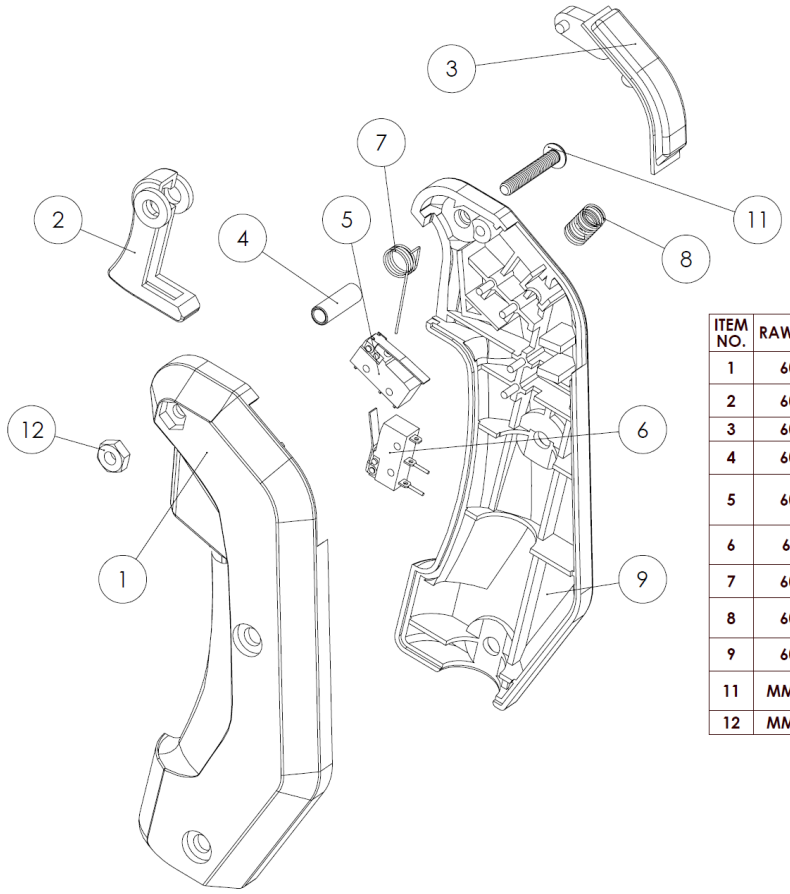


UP AND DOWN POT ALIGNMENT



LEFT TO RIGHT POT ALIGNMENT

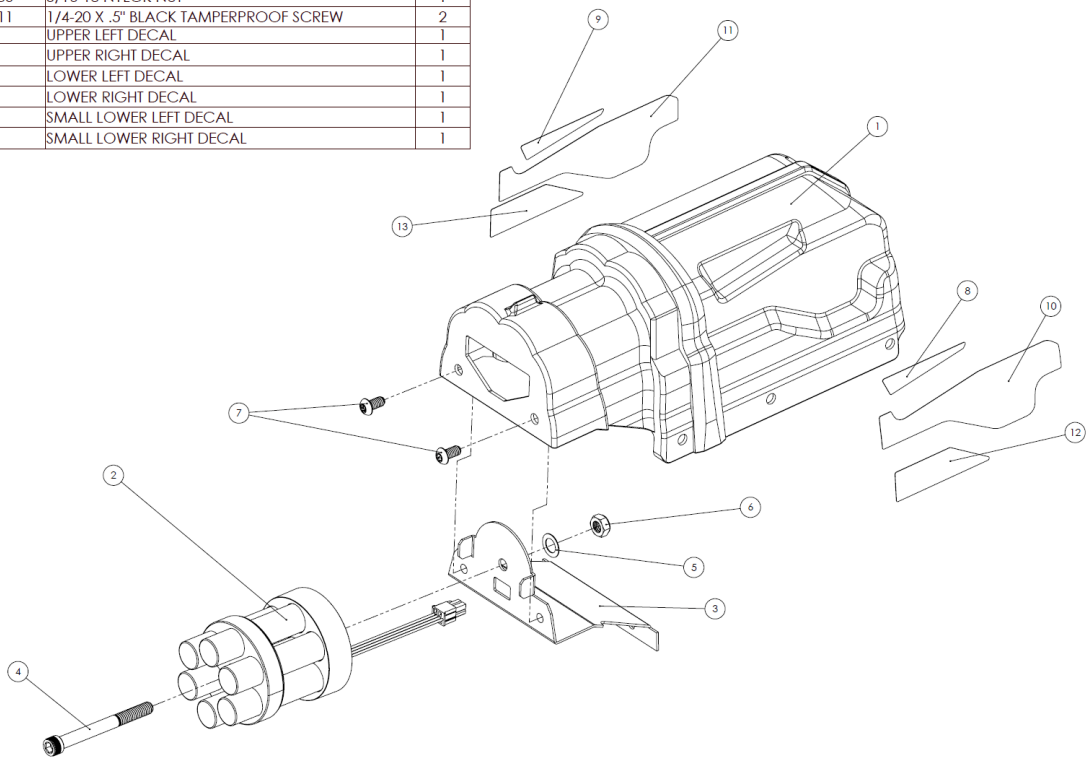
Gun Grip Assembly Exploded Drawing w/Parts Table



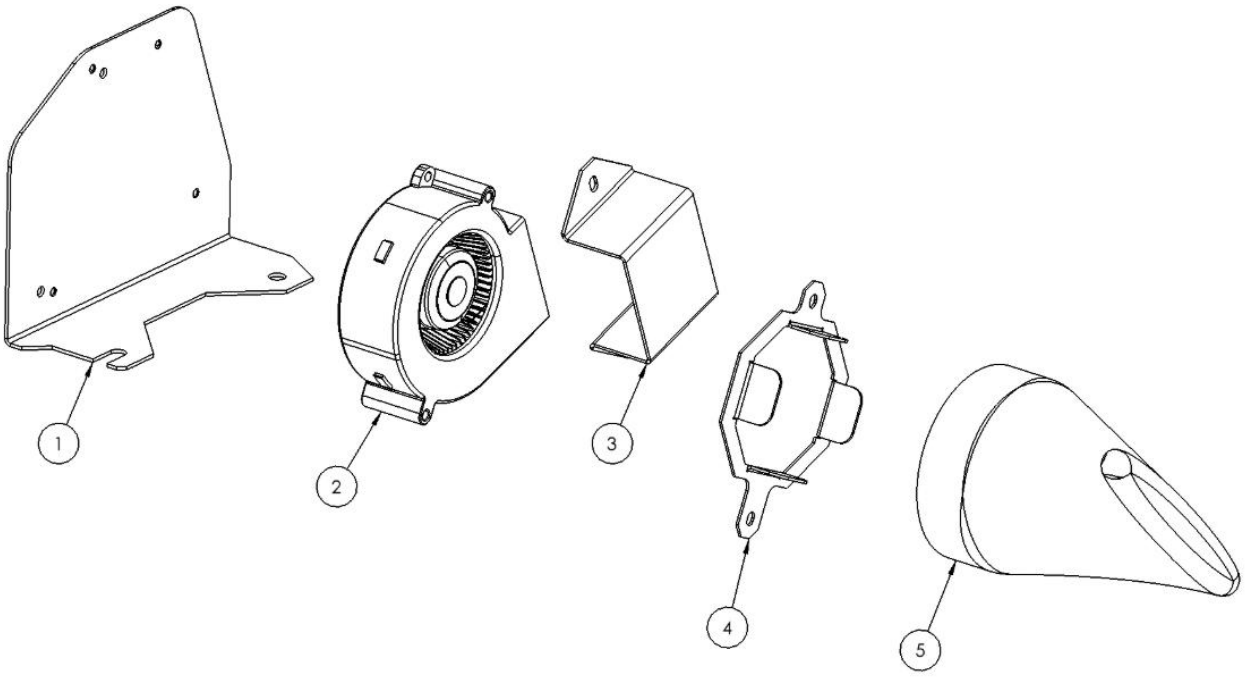
ITEM NO.	RAW PART NUMBER	HAPP NUMBER	DESCRIPTION	QTY.
1	608-00201-01	95-1294-00	GRIP, LEFT HALF	1
2	608-00204-01	95-1295-00	TRIGGER, RED	1
3	608-00203-01	95-1439-00	LARGE THUMB BUTTON	1
4	608-00205-01	95-1315-00	SHAFT, TRIGGER	1
5	608-00215-01	95-0259-ST	SWITCH ASSY FOR THUMB SWITCH	1
6	608-00220-01	95-0028-00	SWITCH ASSY. FOR TRIGGER	1
7	608-00206-01	95-1297-00	SPRING, TORSION	1
8	608-00207-01	95-1298-00	SPRING, COMPRESSION	1
9	608-00202-01	95-1293-00	GRIP, RIGHT HALF	1
11	MMC 96075A147	43-0378-00	SCREW, #8-32 x 1 TP BLACK	1
12	MMC 86537A140	43-1124-00	HEX NUT #8-32 BLACK	1

Gun Cover & Tip Assembly Exploded Drawing w/Parts Table

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	603-00755-01-G	GUN TOP VACFORM	1
2	R90-AP-7	GATLING LIGHT ASSEMBLY	1
3	R1-1071	COVER BRACKET	1
4	MMC 91251A595	5/16-18 X 3" SOCKET HEAD SCREW	1
5	MMC 92141A030	5/16" WASHER	1
6	MMC 90566A030	5/16-18 NYLOK NUT	1
7	MMC 96075A211	1/4-20 X .5" BLACK TAMPERPROOF SCREW	2
8	R90-13-31	UPPER LEFT DECAL	1
9	R90-13-32	UPPER RIGHT DECAL	1
10	R90-13-33	LOWER LEFT DECAL	1
11	R90-13-34	LOWER RIGHT DECAL	1
12	R90-13-35	SMALL LOWER LEFT DECAL	1
13	R90-13-36	SMALL LOWER RIGHT DECAL	1

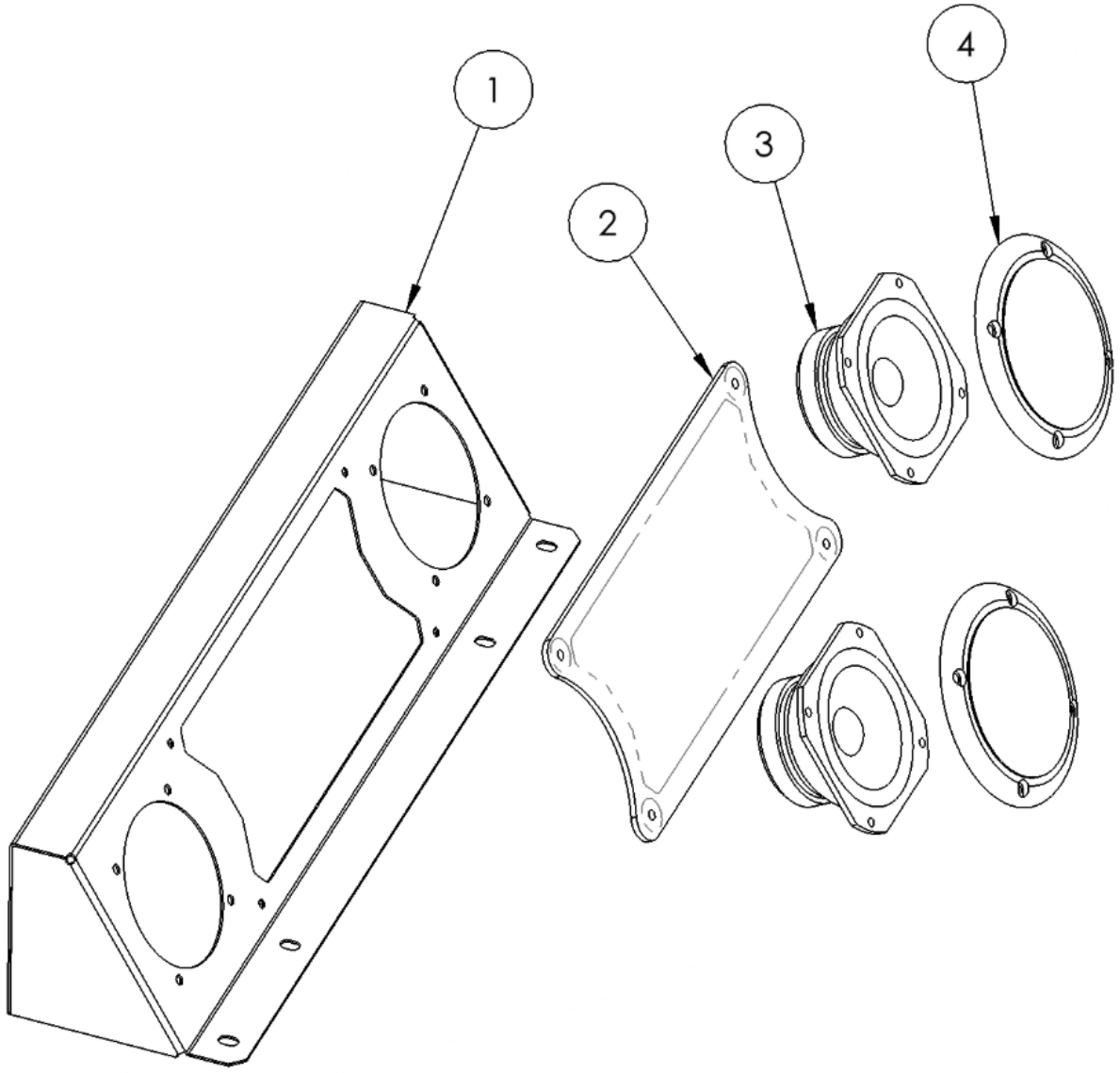


Blower Assembly Exploded Drawing w/Parts Table



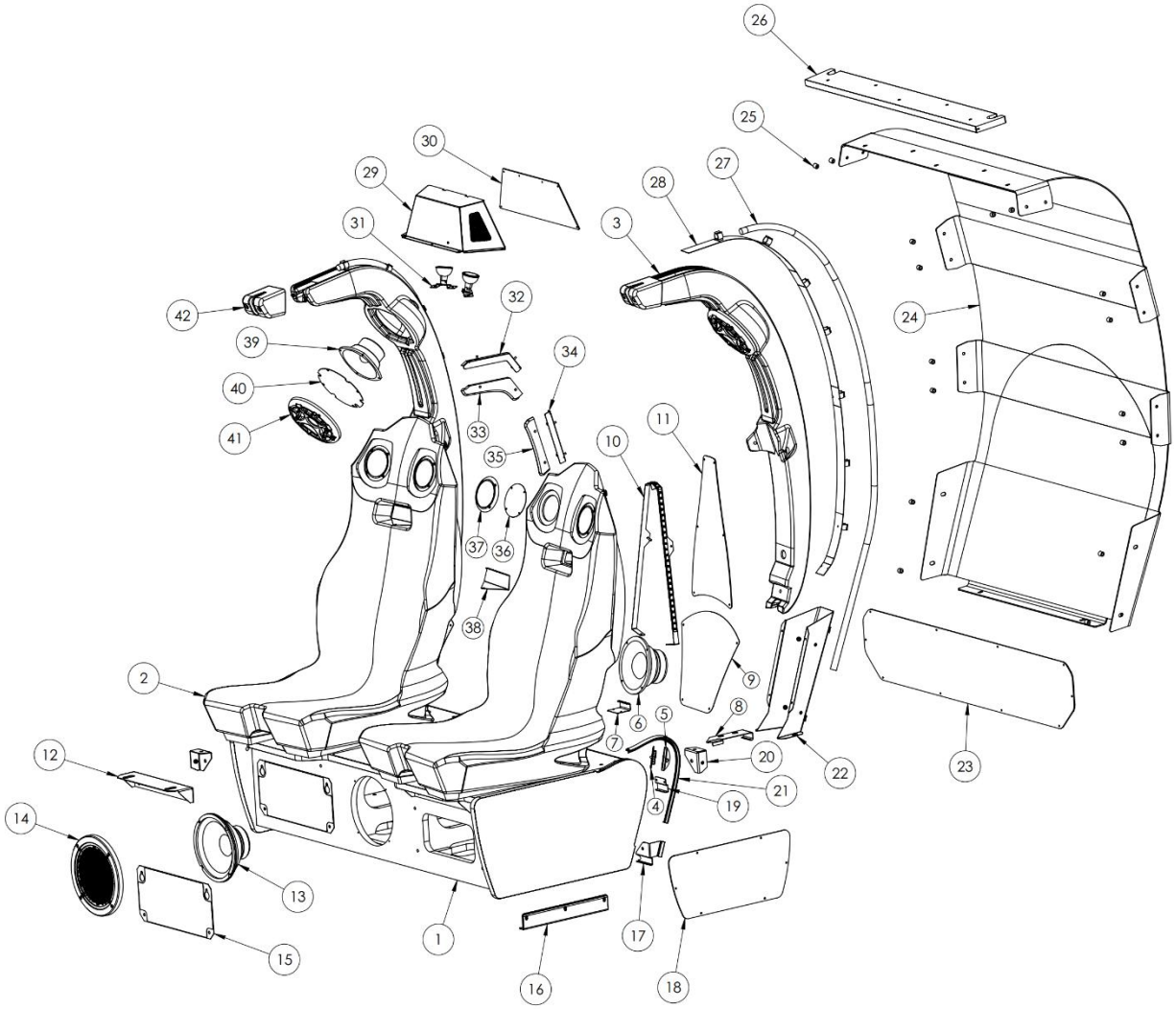
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1008	Mini blower mounting bracket	1
2	CR-9	Mini blower (San Ace 9BMB12P2K01)	1
3	R1-1095	Mini blower duct bracket	1
4	R1-1100	Mini blower filter bracket	1
5	R7-1002	Mini blower filter	1

Dual Dash Speakers Assembly Exploded Drawing w/Parts Table



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1089	Dash dual speaker bracket	1
2	R90-13-5	Dash graphic, PETG	1
3	807-00010-00	Speaker, 3-1/2" diameter, 8 ohm	2
4	807-00014-00	3-1/2" speaker grill	2

Seat Cabinet Assembly Exploded Drawing w/Art Table

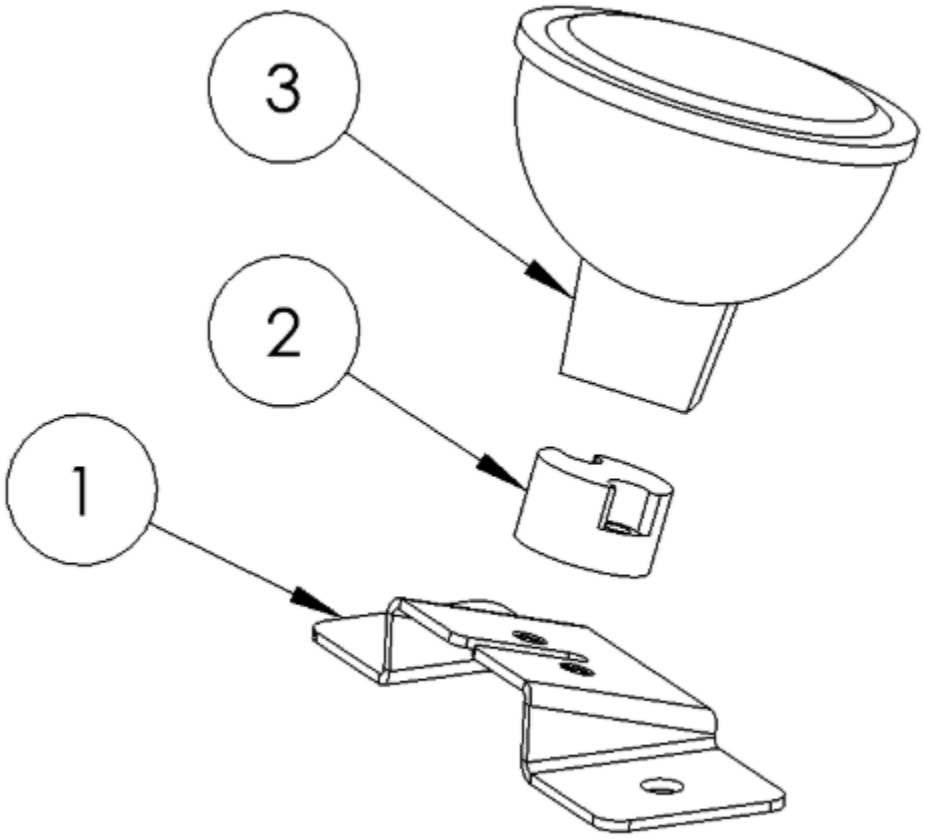


ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-20	Seat cabinet access plate decal	2
R90-13-44	P1 arm cap right decal	1
R90-13-45	P1 arm cap left decal	1
R90-13-46	P2 arm cap right decal	1
R90-13-47	P2 arm cap left decal	1
R90-13-147	Arm upper right decal	2
R90-13-148	Arm upper left decal	2
R90-13-151	Seat panel center decal	1
R90-13-155	Arm lower right decal	2
R90-13-156	Arm lower left decal	2
R90-13-251	Seat cabinet right side decal	1
R90-13-252	Seat cabinet left side decal	1
R90-13-293	Seat cabinet rear decal	1
R90-13-299	Seat enclosure decal	1

Seat Cabinet Assembly Exploded Drawing Parts Table

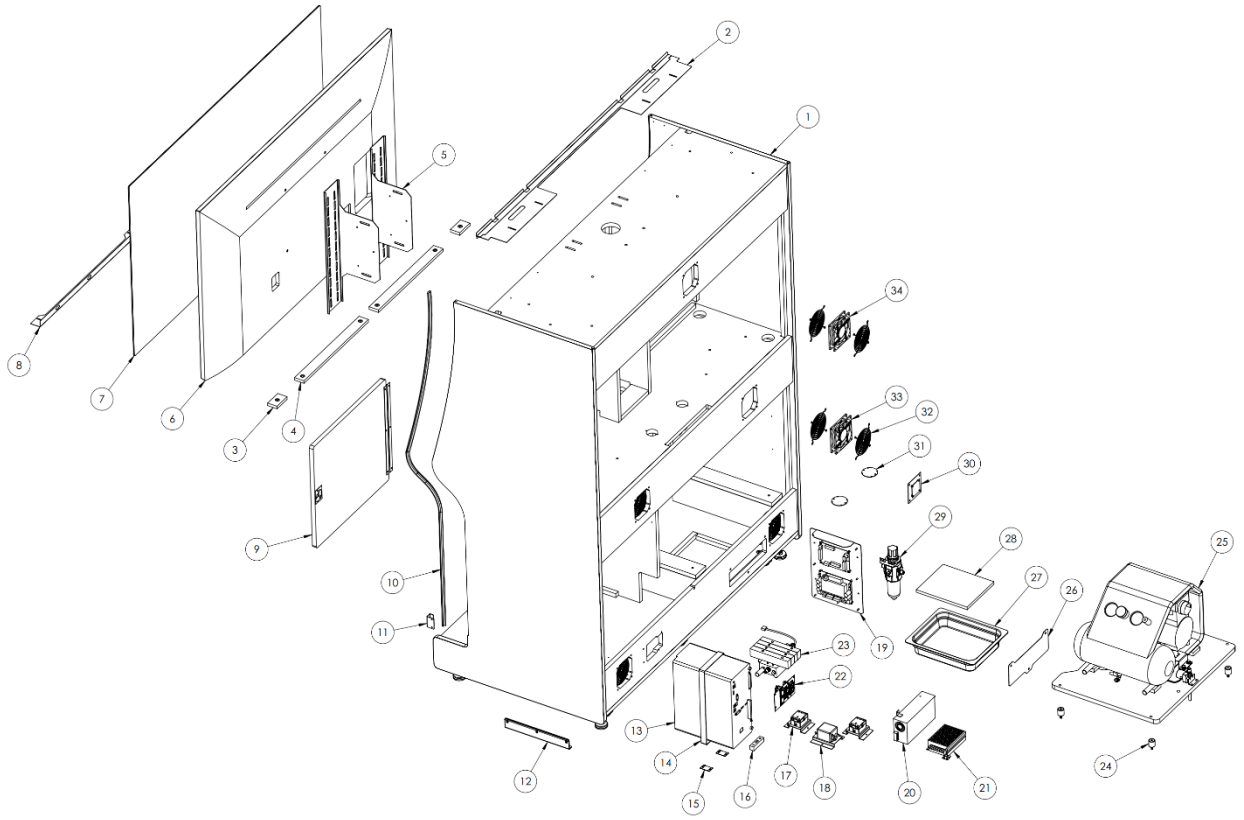
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-69	Seat cabinet	1
2	R90-4-1	Rotomolded seat, blue	2
3	R90-4-12	Rotomolded seat arm	2
4	500-00204-01	LED super puck, red	4
5	603-00540-01	Super puck lens, red	4
6	807-00003-00	Speaker, 6-1/2" diameter, 8 ohm	2
7	R1-1326	T-molding cover bracket	1
8	R1-1299	T-molding cover bracket	1
8 mirror	R1-1298	T-molding cover bracket	1
9	600-00106-01	Seatback speaker grill	2
10	600-03058-01	Seat LED right mounting bracket	2
10 mirror	600-03057-01	Seat LED left mounting bracket	2
11	R4-1007	Black seatback cover	2
12	R1-1335	Front seat mount bracket	2
13	2-1-18-00-00-000	Speaker, 8" diameter, 4 ohm	1
14	603-00961-01	8" speaker grill	1
15	R1-1047	Seat cabinet access plate	2
16	603-01002-01	12" T-molding retainer clip, clear	2
17	R1-1301	T-molding cover bracket	1
17 mirror	R1-1300	T-molding cover bracket	1
18	R90-13-253	Seat cabinet side graphic, PETG	2
19	R1-1327	T-molding cover bracket	1
20	R1-1099	Corner brace bracket	4
21	603-00718-01	LED T-molding	2
22	AS-4389	Arm cable cover assembly (bracket (R1-1331) + 3x clip (R90-4-62) + 3x rivet (Partec - 17-406))	2
23	R90-13-254	Seat cabinet rear graphic, PETG	1
24	R90-4-64	Seat enclosure	1
25	R7-1016	Seat enclosure spacer	16
26	R90-23-88	Seat enclosure cross panel	1
27	CR-117	LED rope	2
28	AS-4296	Arm back cover assembly (bracket (R1-1329) + 7x clip (R90-4-62) + 7x rivet (Partec - 17-406))	2
29	RAP-161	Spotlight enclosure weldment	2
30	R4-1086	Spotlight enclosure front cover	1
31	AS-4386	Spotlight assembly	2
32	R1-1076	Upper arm bracket	2
33	R4-1013	Upper arm acrylic	2
34	R1-1077	Lower arm bracket	2
35	R4-1014	Lower arm acrylic	2
36	600-00105-01	Seat headrest speaker grill	4
37	807-00014-00	3-1/2" speaker grill	4
38	600-03084-01	Seat light blocking bracket	2
39	2-1-10-00-00-000	Speaker, 5-1/4" diameter, 8 ohm	2
40	R1-1075	5-1/4" speaker grill	2
41	603-00890-01	5-1/4" speaker cover	2
42	R90-4-13	Arm end cap	2

Spotlight Assembly Exploded Drawing w/Parts Table



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1413	Spotlight bracket	1
2	CR-163	Spotlight holder	1
3	Partec - 8-722	MR16 LED spotlight, 12V, 4000K	1

Monitor Cabinet Assembly Exploded Drawing w/Art Table

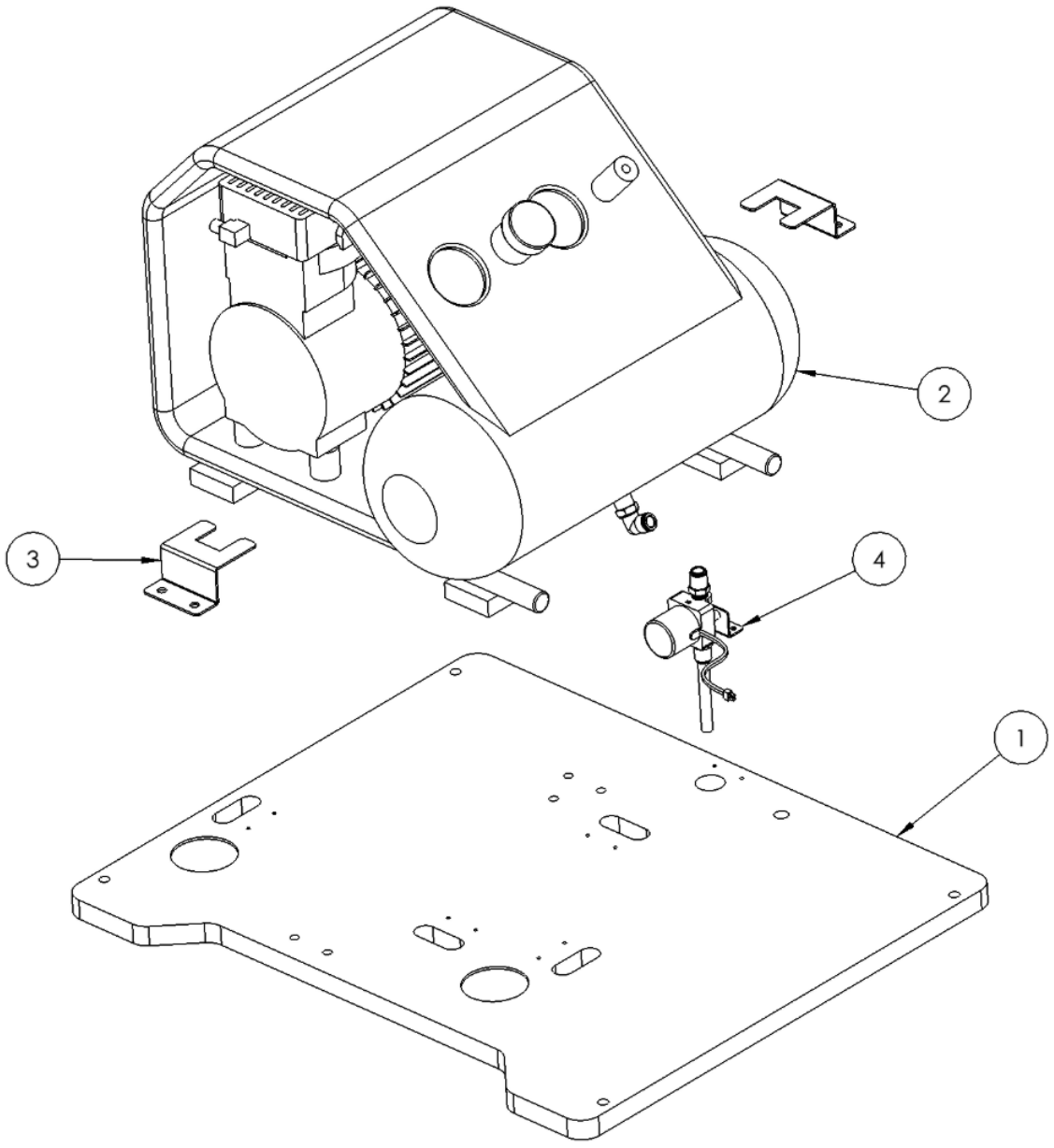


ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-239	Monitor cabinet right side decal	1
R90-13-240	Monitor cabinet left side decal	1
R90-13-290	Monitor cabinet front panel decal	1

Monitor Cabinet Assembly Exploded Drawing Parts Table

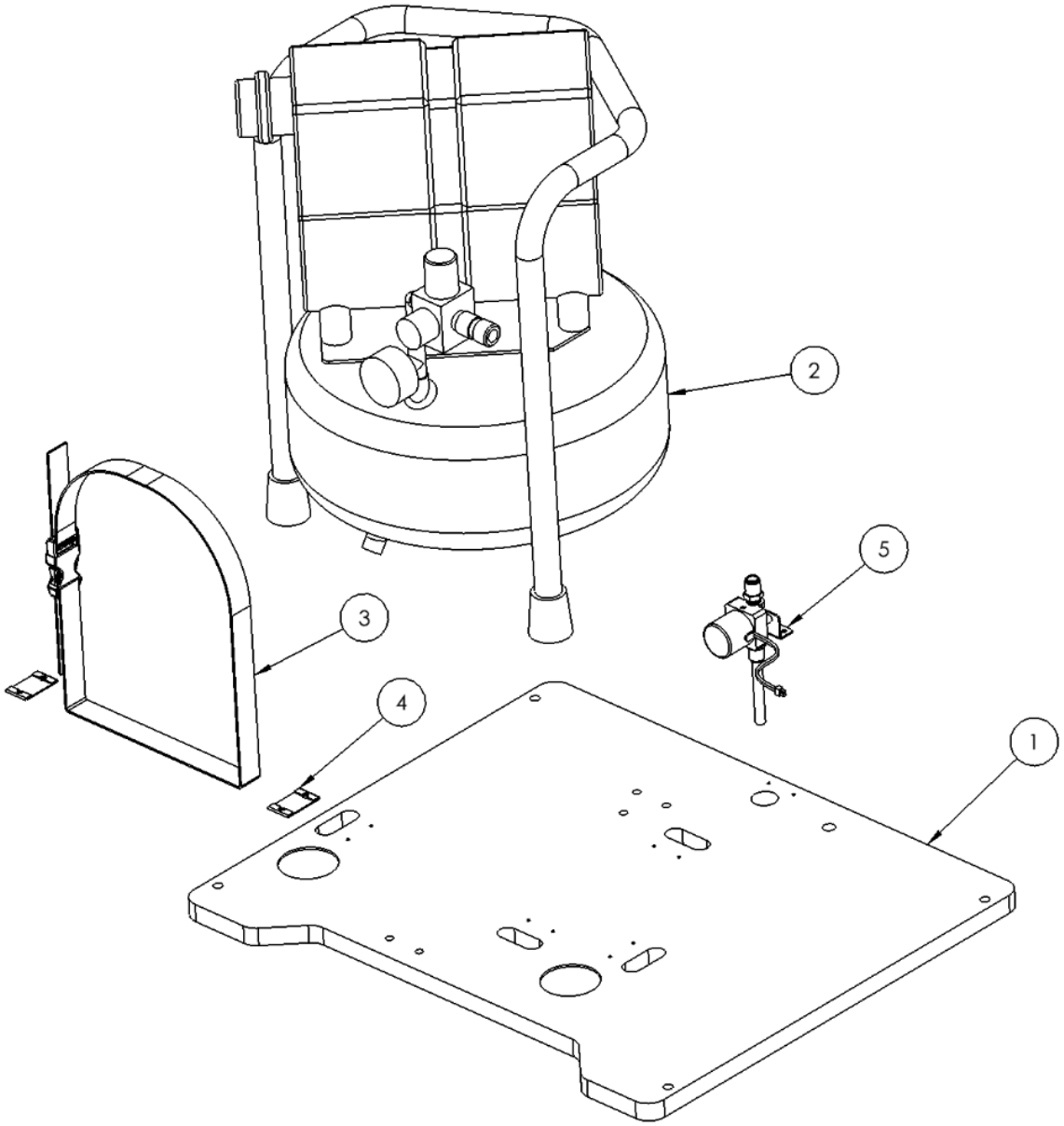
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-68	Monitor cabinet	1
2	RAP-113	Upper/lower monitor cross bracket	1
3	R90-23-108	Monitor cleat, small	2
4	R90-23-107	Monitor cleat, large	2
5	R1-1159	Lower monitor mounting bracket	1
5 mirror	R1-1160	Lower monitor mounting bracket mirror	1
6 (120V)	R90-AP-59	Samsung 65" BE series monitor, 120V	1
6 (230V)	R90-AP-42	LG 65" UL3J-E series monitor, 120/230V	1
7	R22-2	Lower monitor glass	1
8	R1-1315	Lower monitor cross bracket	1
9	AS-4261	Monitor cabinet front access door assembly	2
10	603-00718-01	LED T-molding	2
11	600-03093-01	T-molding cover bracket	2
12	603-01002-01	12" T-molding retainer clip, clear	2
13	AS-3758	PC assembly (Lenovo M70T PC (R90-AP-8) + RTX 3050 (6GB) video card (R90-19-20))	1
14	AS-2454	Computer strap assembly	1
15	600-00891-01	Strap plate	2
16	R90-4-66	PC cleat, plastic	1
17	AS-3871	AC relay assembly	2
18	AS-4183	AC line filter assembly	1
19	AS-3601	PCB plate assembly	1
20	AS-3933	12V, 600W PSU assembly	1
21	AS-4027	24V, 156W PSU assembly	1
22	AS-4259	AC plate assembly	1
23	AS-4153	Manifold assembly	1
24	600-02972-01	Rubber mount	4
25 (120V)	AS-4260	120V compressor shelf assembly	1
25 (230V)	AS-4184	230V compressor shelf assembly	1
26	R1-1001	Drip tray access plate	1
27	603-01006-01	Drain pan	1
28	603-01007-01	Drain pan foam	1
29	AS-4173	Filter/regulator assembly	1
30	AS-3678	Compressor thermal monitor assembly	1
31	500-00205-01	LED super puck, white	2
32	800-00001-00	Fan guard	10
33	CA-4998	Fan w/ tach and PWM	4
34	CA-3277	Fan	1

120V Compressor Shelf Assembly Exploded Drawing w/Parts Table



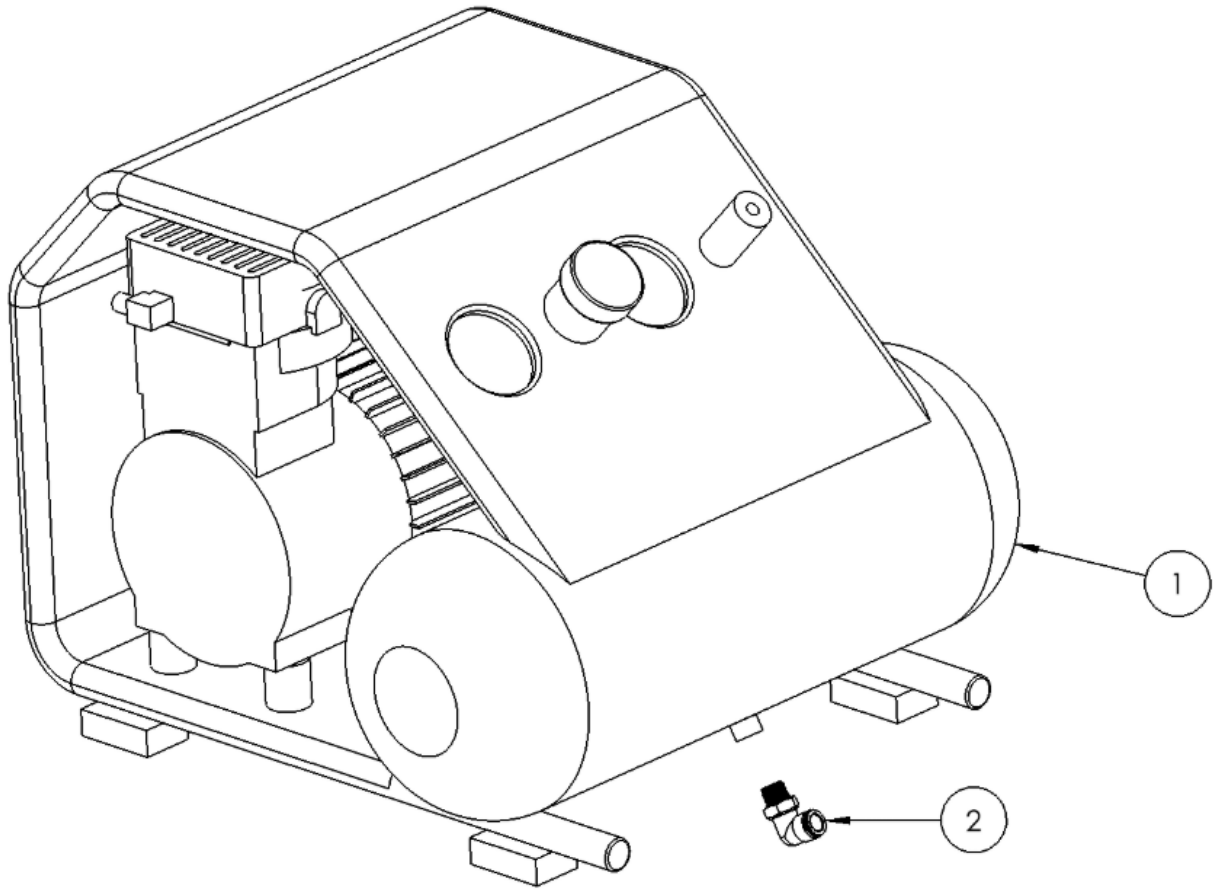
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-76	Compressor shelf	1
2 (120V)	AS-3636	120V compressor assembly	1
3	600-02621-01	Compressor clamp bracket	2
4	AS-4057	Compressor drain solenoid assembly	1
Not shown	Partec - 42-245-GRNPOLY	.245" ID x 3/8" OD green poly tubing	25"
Not shown	R90-17-5	Drain filter	1

230V Compressor Shelf Assembly Exploded Drawing w/Parts Table



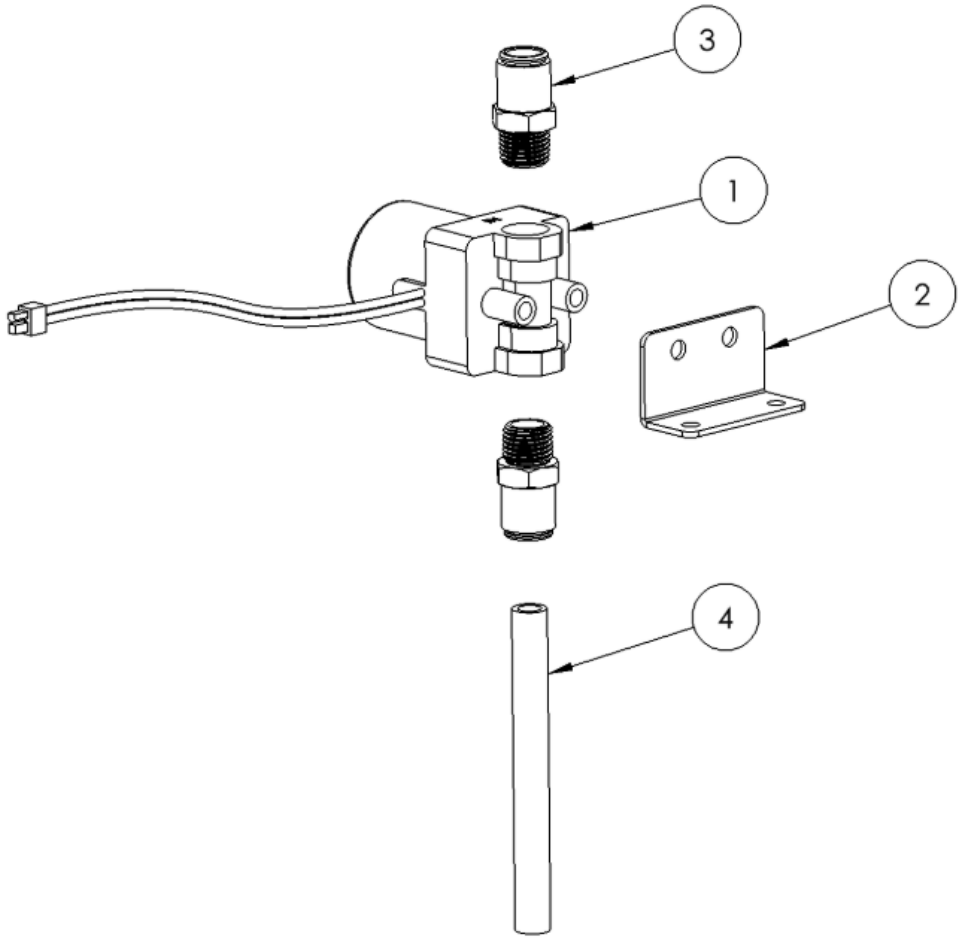
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-76	Compressor shelf	1
2 (230V)	AS-4098	230V compressor assembly (Bambi compressor (CA-5499) + fittings (Partec - 17-330-3 & 17-335-2))	1
3	AS-2970	Compressor strap assembly	1
4	600-00891-01	Strap plate	2
5	AS-4057	Compressor drain solenoid assembly	1
Not shown	Partec - 42-245-GRNPOLY	.245" ID x 3/8" OD green poly tubing	25"
Not shown	R90-17-5	Drain filter	1

120V Compressor Assembly Exploded Drawing w/Parts Table



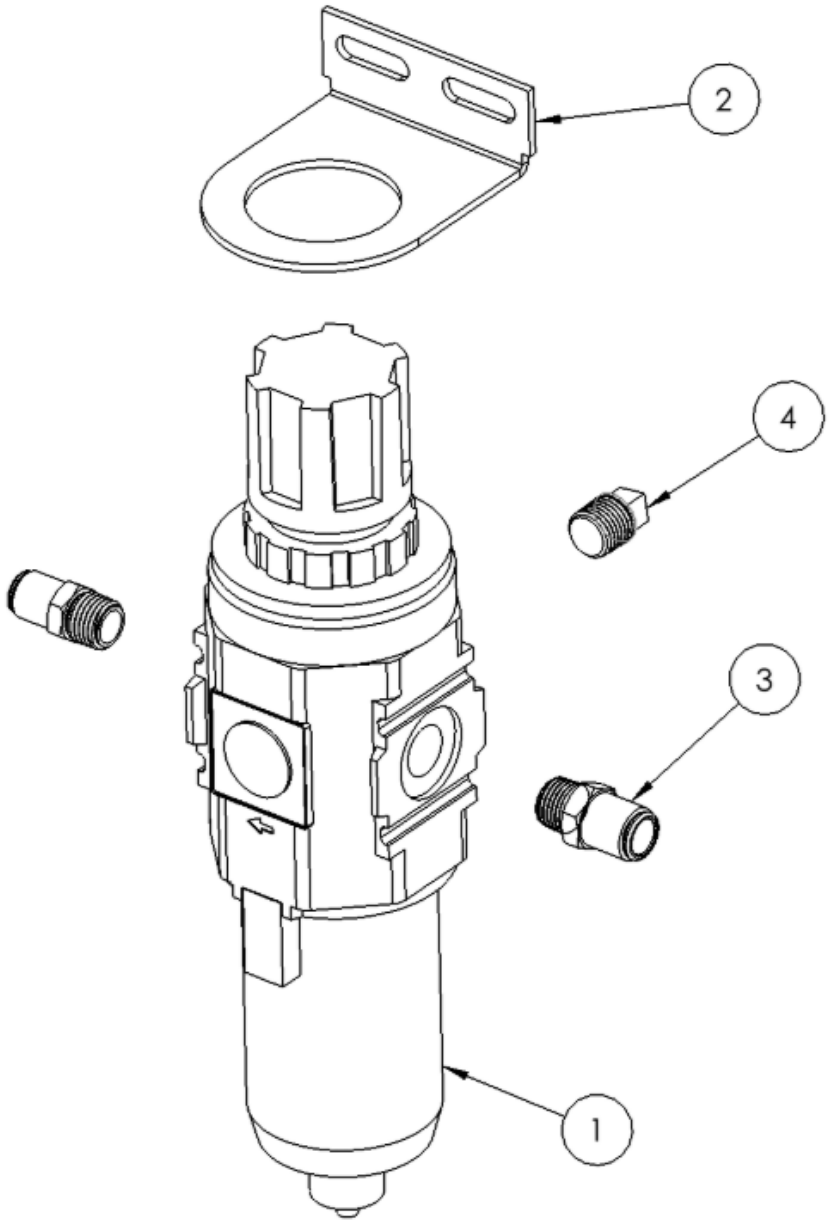
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	604-00066-01	120V Makita compressor	1
2	Partec - 17-330-5	90° push-to-connect fitting, 3/8" tube OD, 1/4" universal male	1

Drain Valve Assembly Exploded Drawing w/Parts Table



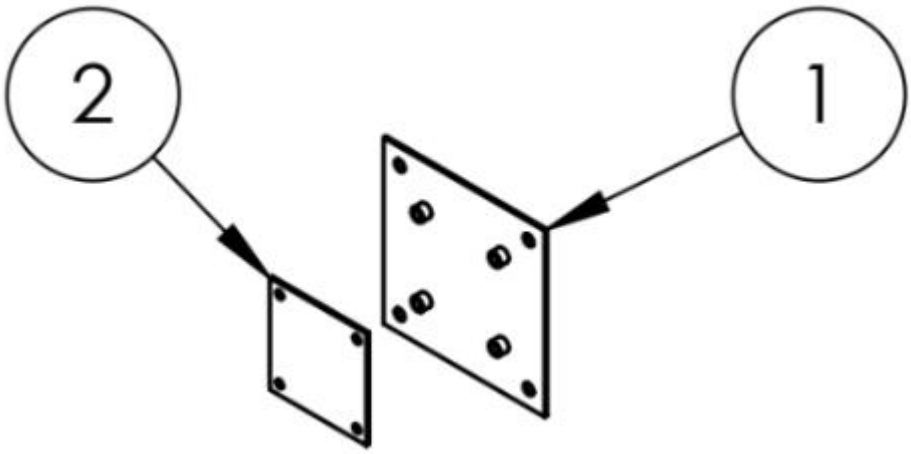
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CA-4901	Compressor drain solenoid (CKD AB21-02-1-DC12V)	1
2	Partec - 1-2966	Compressor drain solenoid mounting bracket	1
3	Partec - 17-330-3	Push-to-connect fitting, 3/8" tube OD, 1/4" BSPT male	2
4	Partec - 42-245-GRNPOLY	.245" ID x 3/8" OD green poly tubing	3.5"

Filter/Regulator Assembly Exploded Drawing w/Parts Table



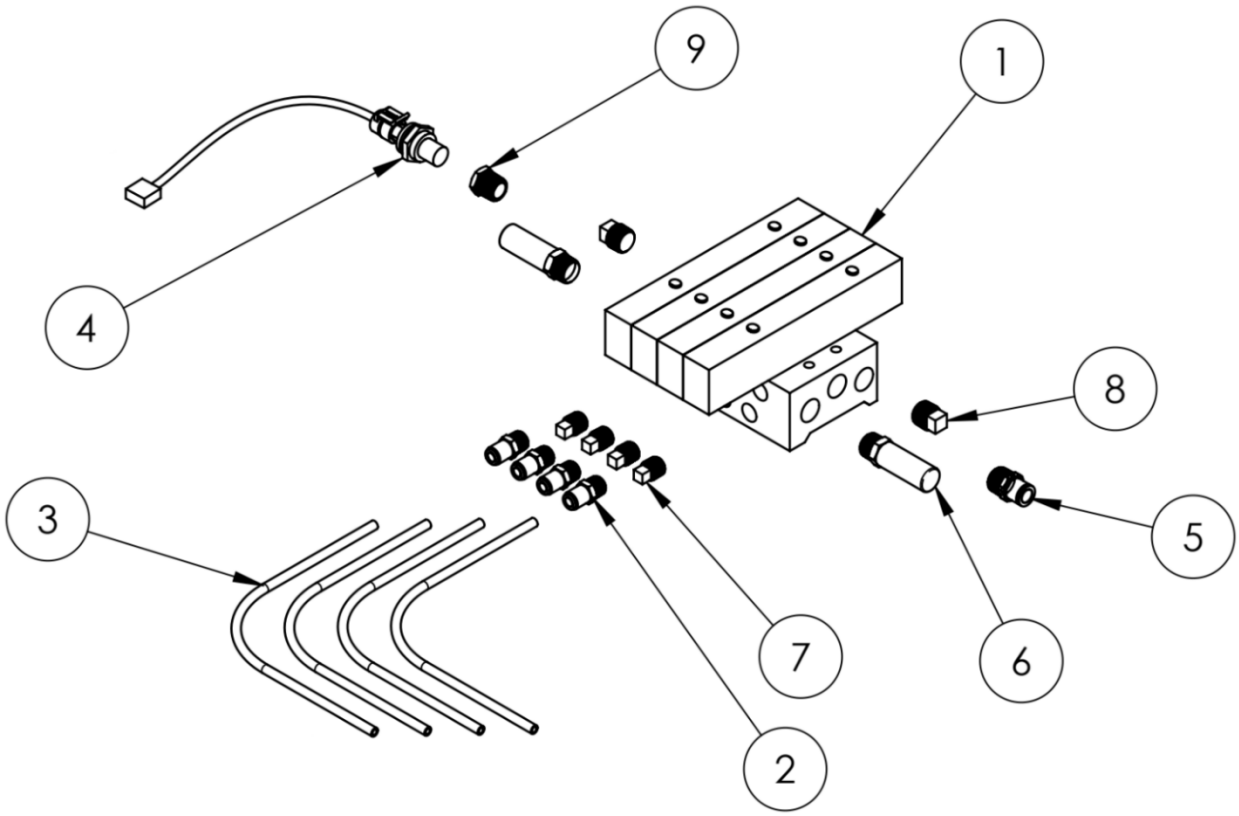
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-AP-6	Filter/regulator (CKD W3000-8N-W-F1X1)	1
2	604-00048-01	Filter/regulator mounting bracket	1
3	Partec - 17-330-2	Push-to-connect fitting, 3/8" tube OD, 1/4" NPT male	2
4	Partec - 17-332	Plug, 1/4" NPT male	1
Not shown	Partec - 42-245-GRNPOLY	.245" ID x 3/8" OD green poly tubing	Various
Not shown	Partec - 17-335	Barbed coupling plug	1
Not shown	Partec - 17-382	Hose clamp	1

Compressor Thermal Monitor Assembly Exploded Drawing w/Parts Table



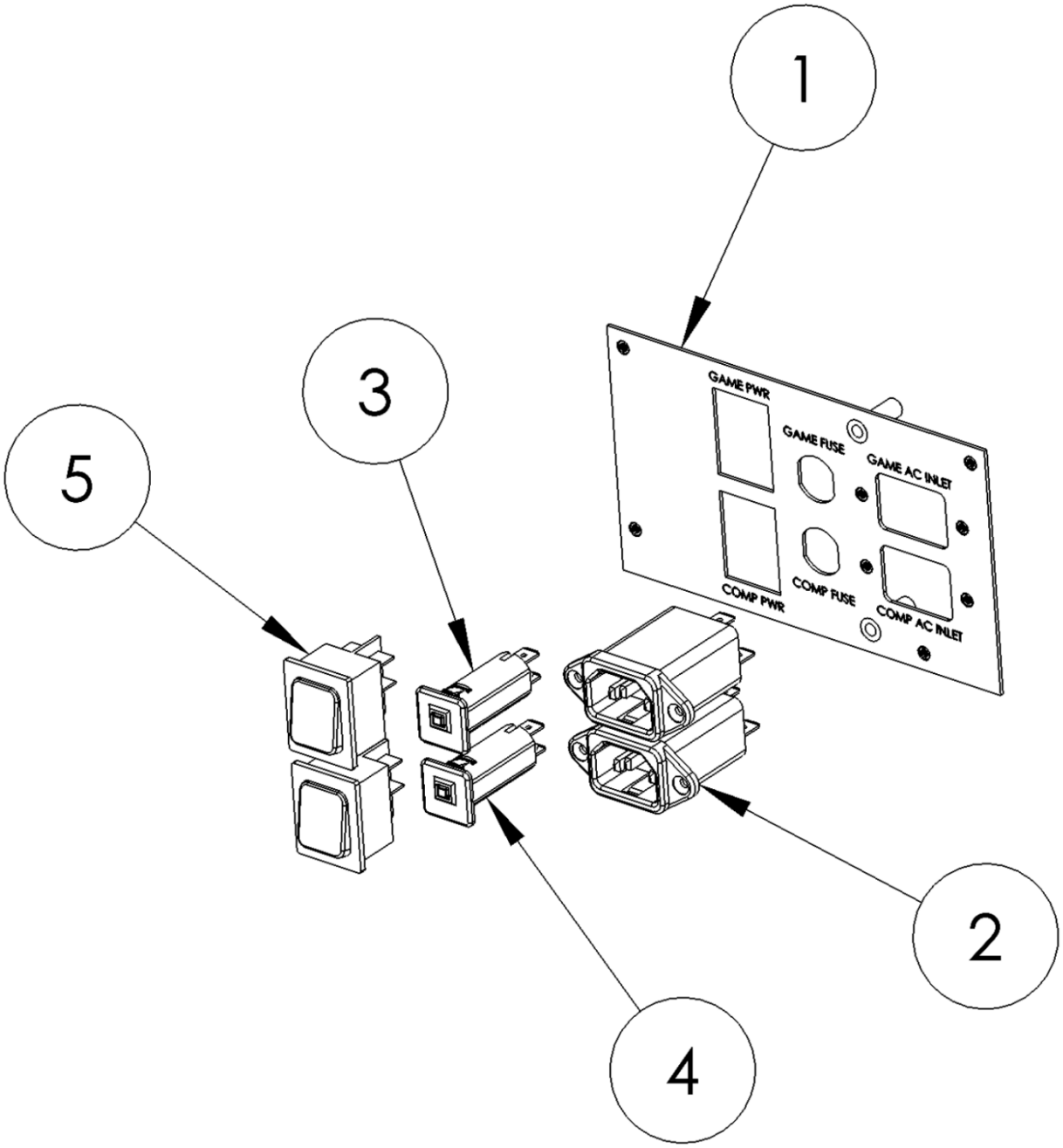
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02789-01	Compressor thermal monitor PCB plate	1
2	500-00253-01	Compressor thermal monitor PCB	1

Manifold Assembly Exploded Drawing w/Parts Table



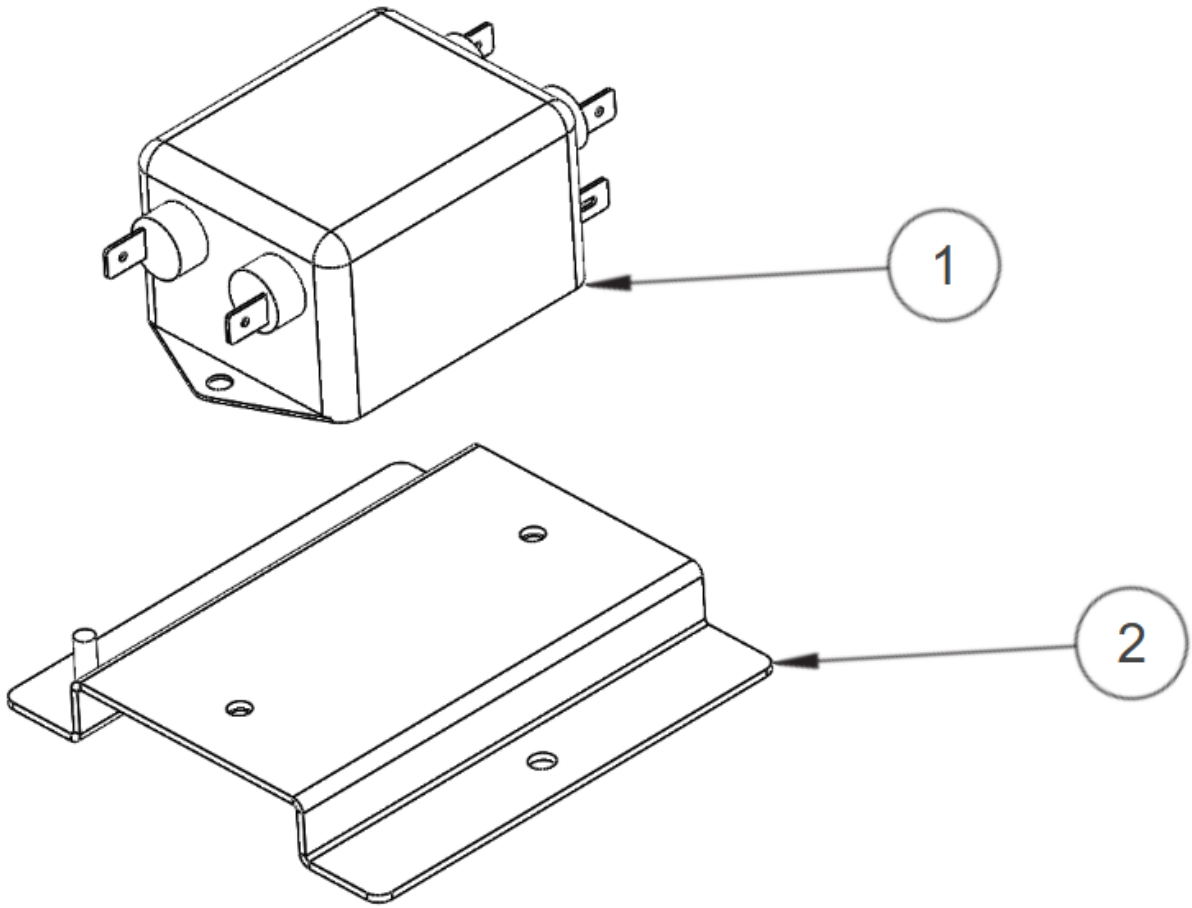
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CA-4903	4 station manifold (CKD M4KB330-08N-4-DC12V)	1
2	Partec - 17-330	Push-to-connect fitting, 1/4" tube OD, 1/4" NPT male	4
3	Partec - 42-156-___POLY	5/32" ID x 1/4" OD various colored poly tubing	4 x 60"
4	500-00195-01	5V pressure sensor, 1/4" NPT male	1
5	Partec - 17-330-1	Push-to-connect fitting, 3/8" tube OD, 3/8" NPT male	1
6	Partec - 17-340	Muffler, 3/8" NPT male	2
7	Partec - 17-332	Plug, 1/4" NPT male	4
8	Partec - 17-332-1	Plug, 3/8" NPT male	2
9	Partec - 17-334	Reducer, 3/8" NPT male to 1/4" NPT female	1

AC Plate Assembly Exploded Drawing w/Parts Table



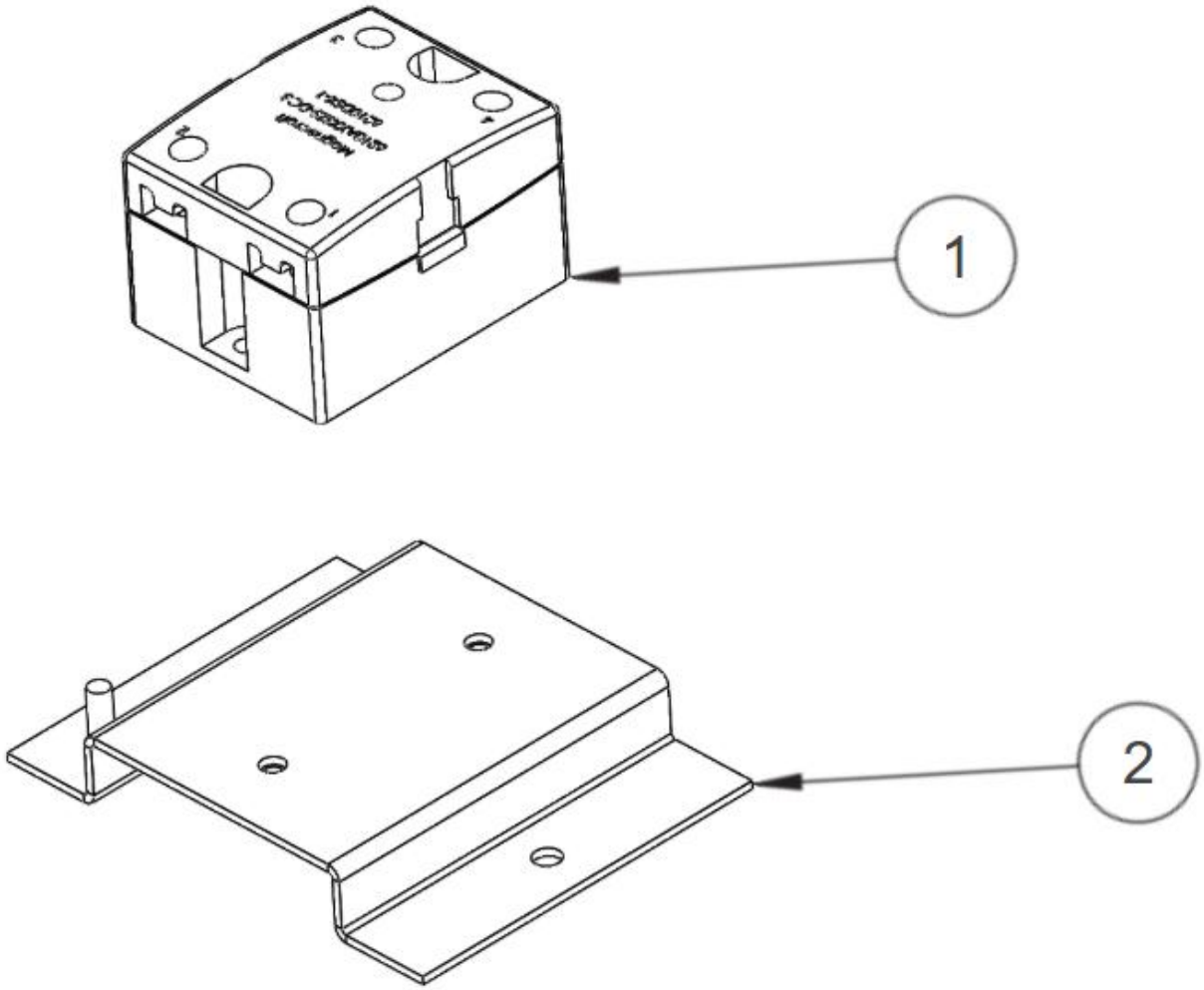
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1171	AC double inlet plate	1
2	Partec - 8-685	15A line filter/power inlet	2
3	Partec - 8-624-10	10A circuit breaker	1
4	Partec - 8-624-15	15A circuit breaker	1
5	Partec - 8-252	15A DPST rocker switch	2

AC Line Filter Assembly Exploded Drawing w/Parts Table



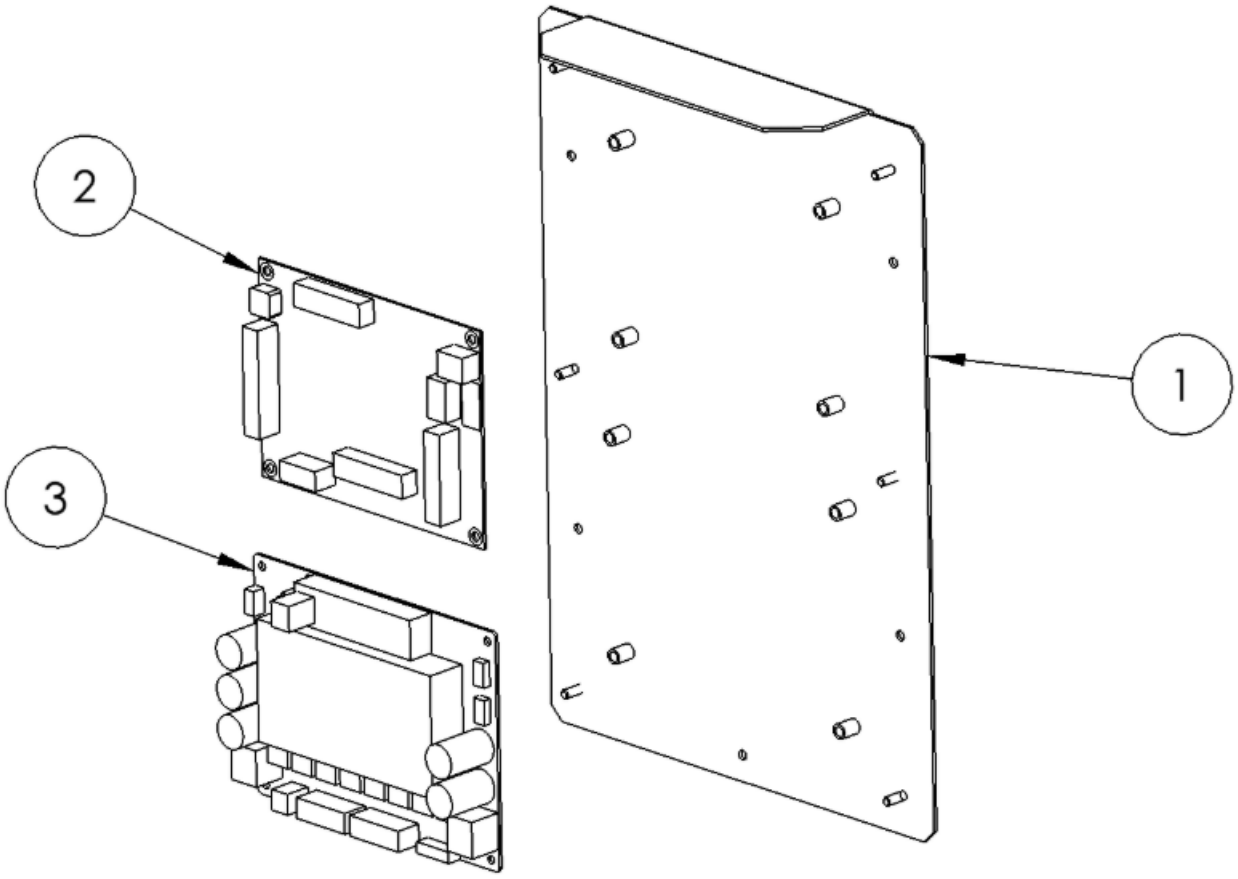
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-8-12	AC line filter (Corcom 10MV1)	1
2	600-03206-01	Line filter bracket	1

AC Relay Assembly Exploded Drawing w/Parts Table



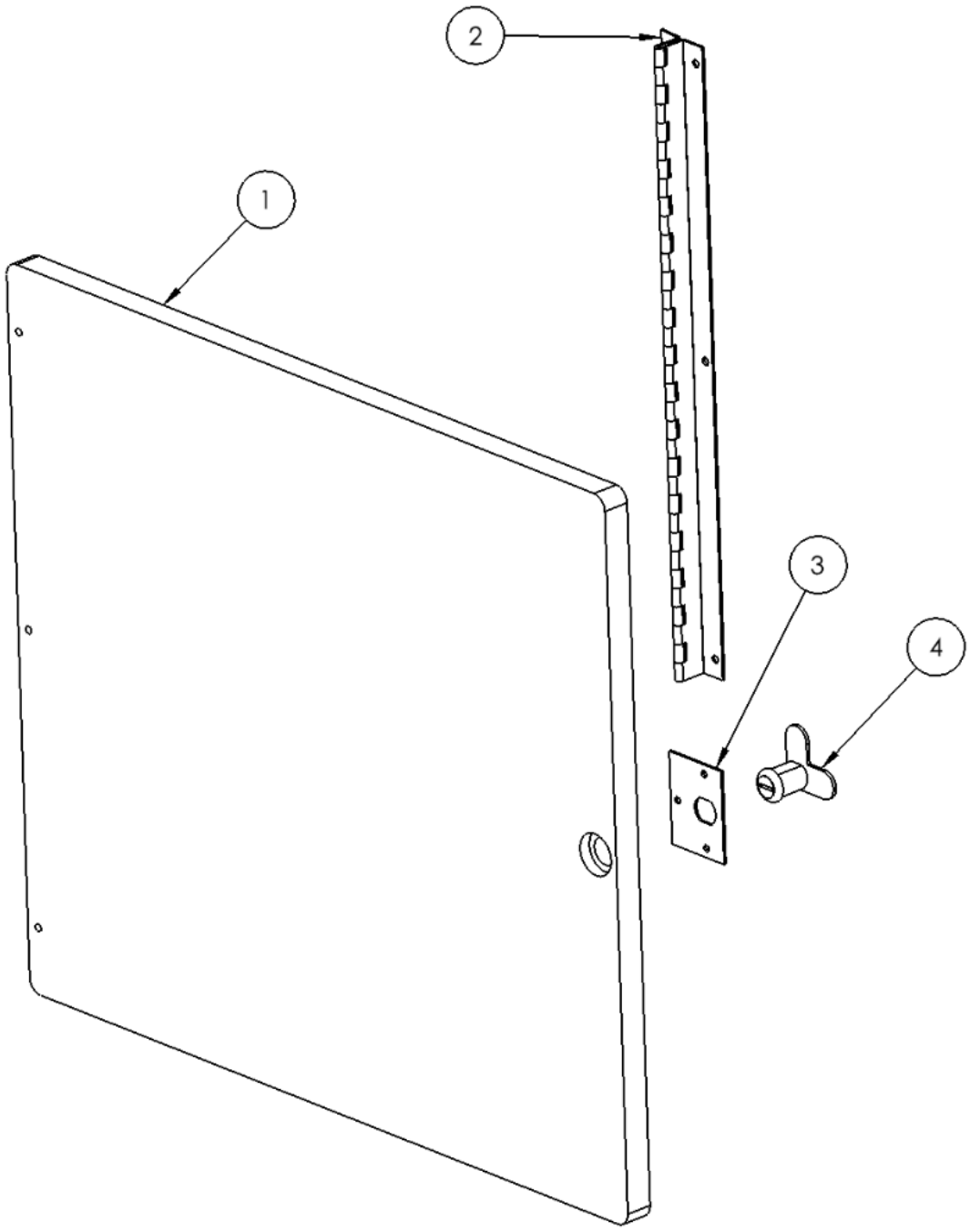
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	800-00079-01	25A solid state relay	1
2	600-03119-01	Solid state relay bracket	1

PCB Plate Assembly Exploded Drawing w/Parts Table



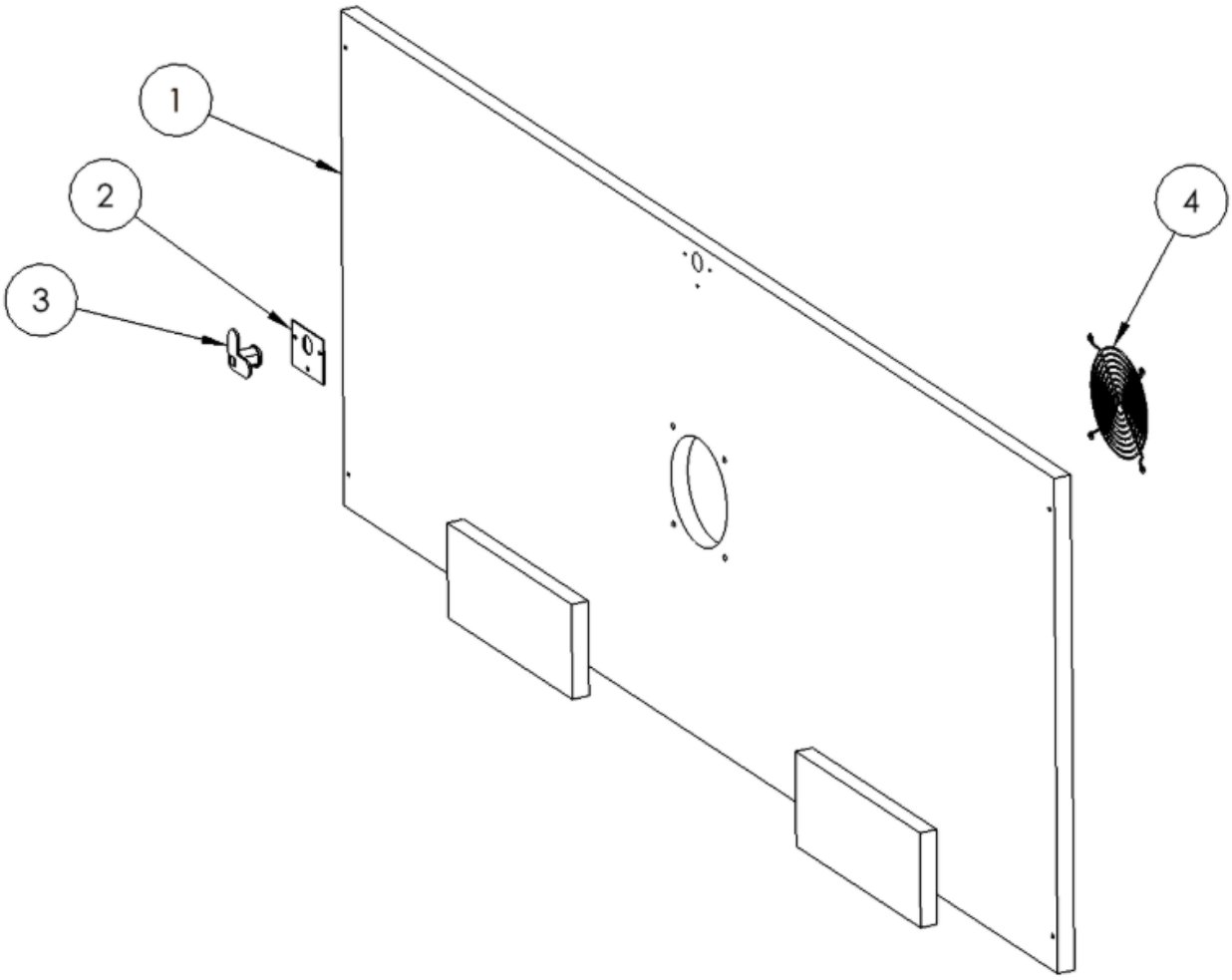
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02604-01	PCB plate	1
2	500-00199-05	RIO2 PCB	1
3	380-00010-01	USB audio amplifier	1

Front Access Door Assembly Exploded Drawing w/Parts Table



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-90	Monitor cabinet front access door	1
2	600-02496-01	Front access door hinge	1
3	600-00043-01	Lock retainer plate	1
4	150-00001-00	Lock	1

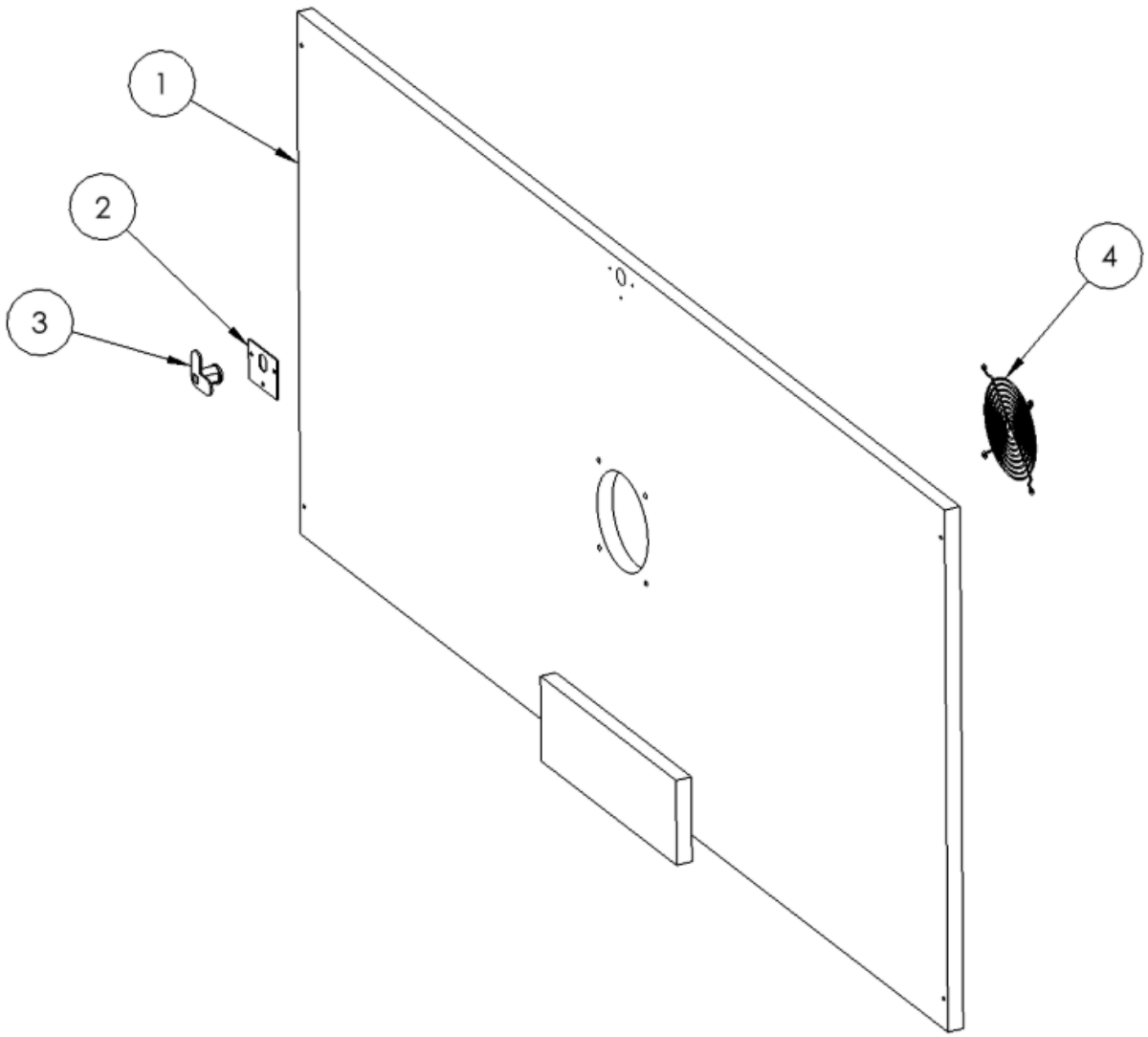
Lower Back Door Assembly Exploded Drawing w/Parts & Art Tables



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-77	Monitor cabinet lower back door	1
2	600-00043-01	Lock retainer plate	1
3	150-00001-00	Lock	1
4	800-00001-00	Fan guard	1

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-245	Monitor cabinet lower back door decal	1

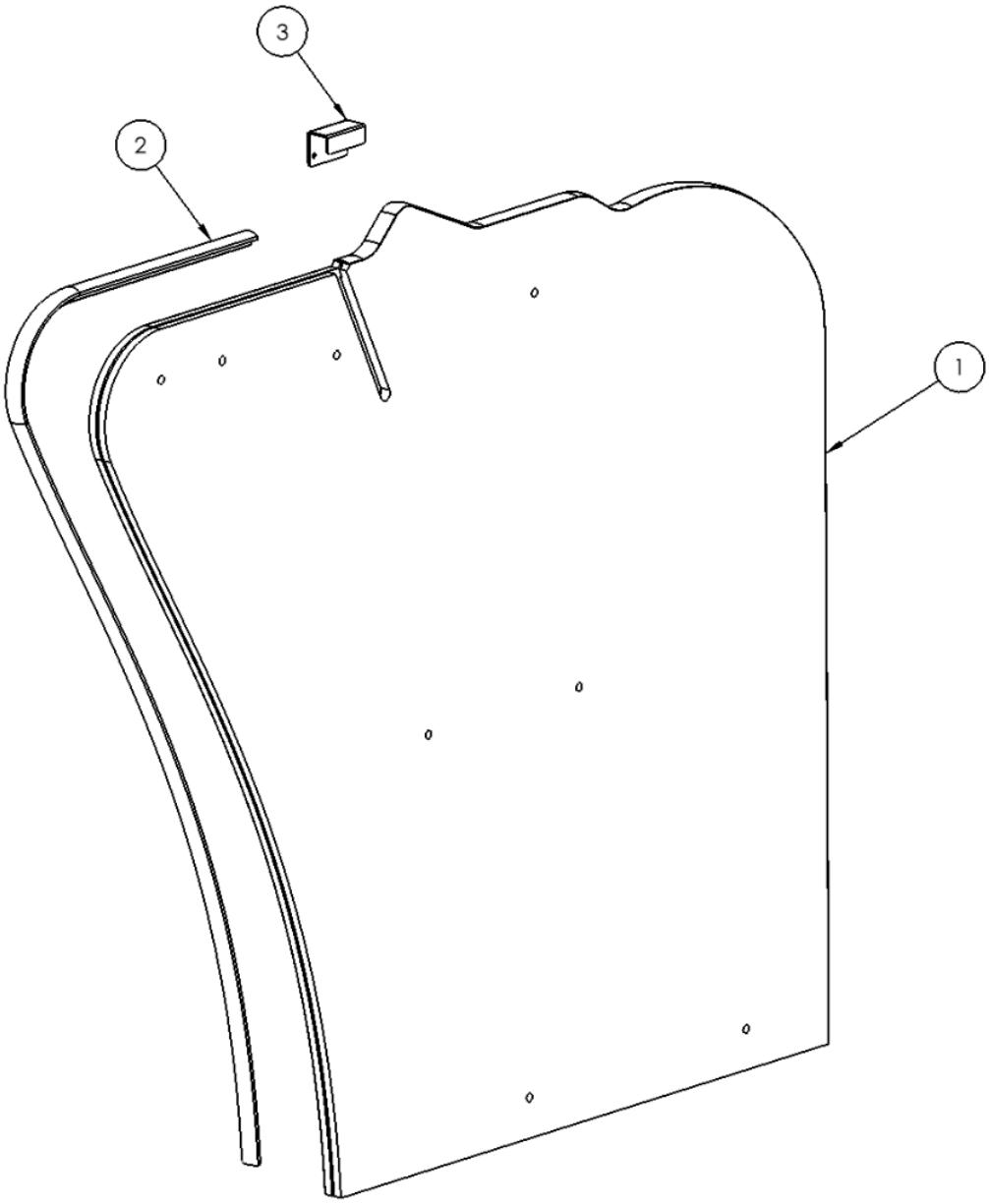
Upper Back Door Assembly Exploded Drawing w/Parts & Art Tables



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-78	Monitor cabinet upper back door	1
2	600-00043-01	Lock retainer plate	1
3	150-00001-00	Lock	1
4	800-00001-00	Fan guard	1

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-246	Monitor cabinet upper back door decal	1

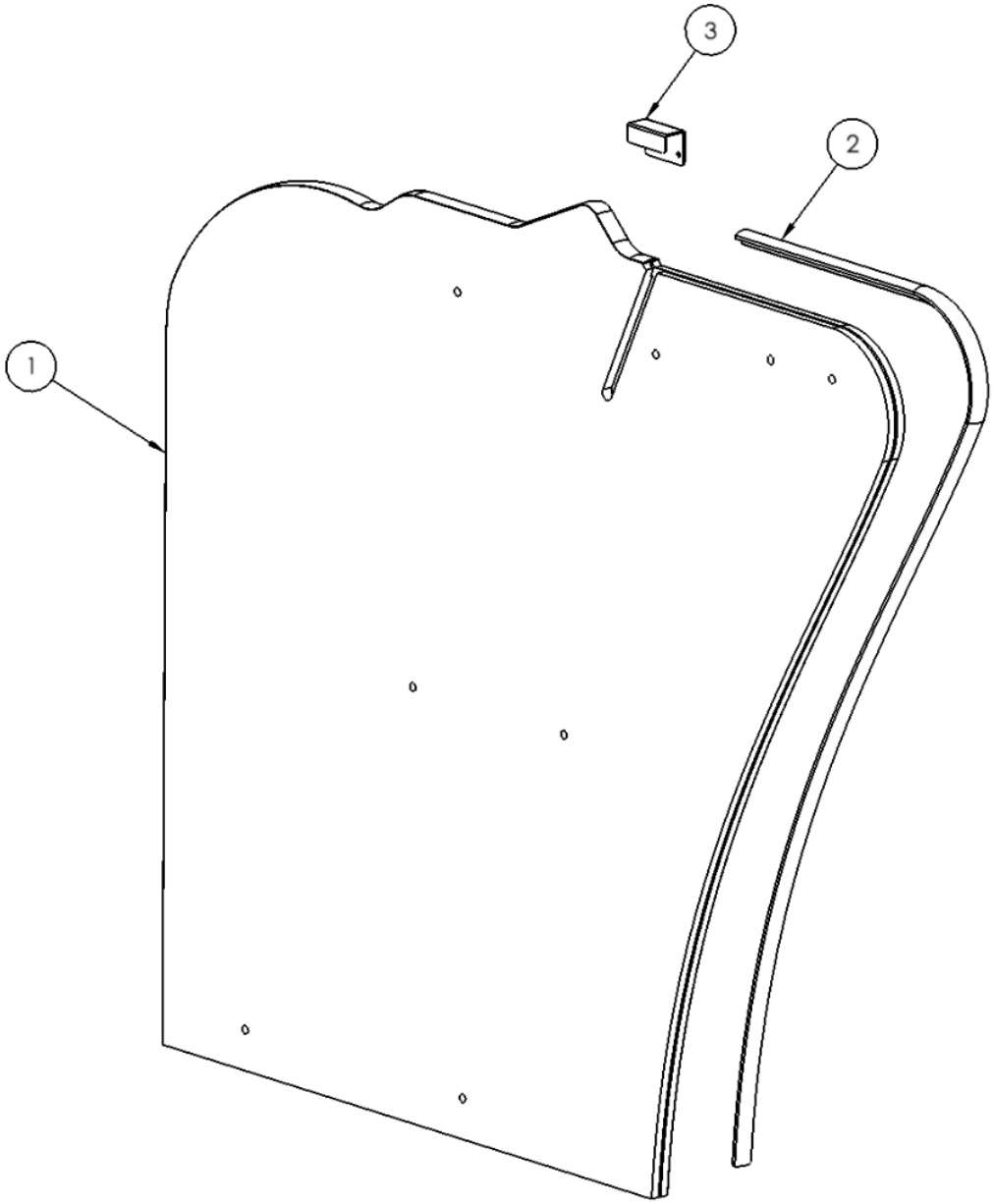
Upper Left Side Assembly Exploded Drawing w/Parts & Art Tables



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-73	Upper left side panel	1
2	603-00718-01	LED T-molding	1
3	600-03093-01	T-molding cover bracket	1

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-242	Upper left side panel decal	1

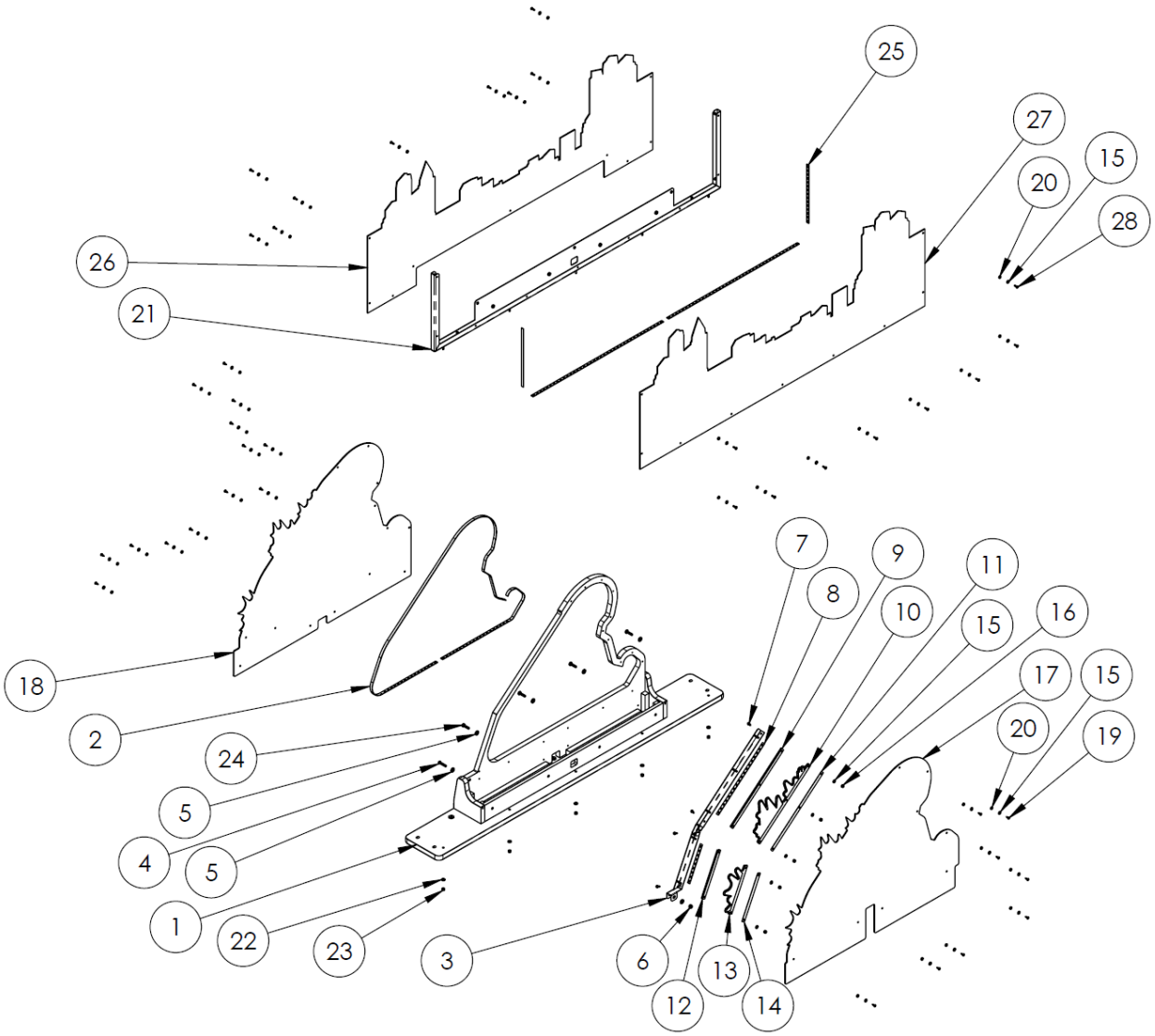
Upper Right Side Assembly Exploded Drawing w/Parts Table



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-72	Upper right side panel	1
2	603-00718-01	LED T-molding	1
3	600-03093-01	T-molding cover bracket	1

ART		
PART NUMBER	DESCRIPTION	QTY.
R90-13-241	Upper right side panel decal	1

Topper Assembly Exploded Drawing



Topper Assembly Exploded Drawing Parts Table

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-25	Topper Cabinet	1
2	CR-45	Godzilla Body LED: White Flexible LED Tape, w/ FOAM, 160&55CM (500-00162-01)	1
3	RAP-117	Topper Spine Bracket	1
4	Partec - 31-TP250-03-001	Black Oxide Steel Tamper-Resistant Button Head Torx Screws, 1/4"-20 Thread Size, 1-1/4" Long	1
5	McMaster-Carr - 97416A119	Black-Oxide Steel SAE Flat Washer for 1/4" Screw Size, 0.281" ID, 0.625" OD	6
6	McMaster-Carr - 90640A129	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 1/4"-20 Thread Size	1
7	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	4
8	CR-46	Godzilla Spine LED: BLUE Flexible LED Tape, w/ FOAM, 30&15CM (500-00189-01)	1
9	R4-1026	Upper Dorsal Blocker Panel	1
10	R90-4-30	Upper Dorsal Plate Acrylic	1
11	R1-1116	Upper Dorsal Plate Cover	1
12	R4-1027	Lower Dorsal Blocker Panel	1
13	R90-4-31	Lower Dorsal Plate Acrylic	1
14	R1-1117	Lower Dorsal Plate Cover	1
15	McMaster-Carr - 97416A113	Black-Oxide Steel SAE Washer for Number 8 Screw Size, 0.188" ID, 0.438" OD	44
16	McMaster-Carr - 90631A009	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 8-32 Thread Size	5
17	R90-13-158	Godzilla Rear Graphic PETG	1
18	R90-13-157	Godzilla Front Graphic PETG	1
19	McMaster-Carr - 90935A194	Phillips Rounded Head Screws for Sheet Metal, Black-Oxide Steel, Number 8 Size, 1/2" Long	21
20	McMaster-Carr - 90133A013	Oil-Resistant Neoprene Rubber Sealing Washer for Number 10 Screw Size, 0.17" ID, 0.375" OD	39
21	R1-1113	Topper Building Bracket	1
22	McMaster-Carr - 97416A115	Black-Oxide Steel SAE Washer for Number 10 Screw Size, 0.219" ID, 0.5" OD	5
23	McMaster-Carr - 90631A411	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 10-32 Thread Size, 3/8" Wide, 15/64" High	5
24	McMaster-Carr - 92620A542	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/4"-20 Thread Size, 1" Long	4
25	CR-44	Buildings LED: White Flexible LED Tape, w/ FOAM, 65&65&25&25CM (500-00162-01)	1
26	R90-13-159	Building Front Graphic PETG	1
27	R90-13-160	Building Rear Graphic PETG	1
28	McMaster-Carr - 92224A156	Black Oxide Steel Pan Head Phillips Screw, 8-32 Thread Size, 1/2" Long	18

Electrical Diagrams

Pg. 100 – System Diagram – AC & DC Distribution/PC/Monitors/Compressor

Pg. 101 – System Diagram – Main Harness/IO & PCBS

Pg. 102 – System Diagram – Compressor Monitor PCB/Main Cabinet Upper Compartment/Marquee

Pg. 103 – System Diagram – Manifold/Spacer Cabinet/Motion Platform Underglow

Pg. 104 – System Diagram – Seat Cabinet

Pg. 105 – System Diagram – P1 Seat/P1 Seatback Arm & P2 Seat/P2 Seatback Arm

Pg. 106 – System Diagram – Control Cabinet

Pg. 107 – System Diagram – P1 Control Panel & P2 Control Panel

SHEET 1: AC & DC DISTRIBUTION + PC + MONITORS + COMPRESSOR

65" LCD MONITOR (UPPER)
AC
VIDEO
HDMI
65" LCD MONITOR (LOWER)
AC
VIDEO
HDMI
FROM: SHEET 1, SECTION G8

Lenovo M70t
FROM: SHEET 4, SECTION K19
USB 3.0
PEDESTAL
AUDIO
USB
FROM: SHEET 2, SECTION H11
LOWER MONITOR VIDEO
UPPER MONITOR VIDEO
SECURITY DONGLE
RIO2
AC
HDMI
HDMI
USB
USB
SECURITY DONGLE
FROM: SHEET 2, SECTION B13

CR-116

14 — P1 SOLENOID 1, 2A/250V,3AG,SLOW, 0313002.MXP
15 — P1 SOLENOID 2, 2A/250V,3AG,SLOW, 0313002.MXP
16 — P2 SOLENOID 1, 2A/250V,3AG,SLOW, 0313002.MXP
17 — P2 SOLENOID 2, 2A/250V,3AG,SLOW, 0313002.MXP
12 — 24VDC, 24V_F1, 5A/250V,3AG,FAST, 0312005.MXP
13 — 24VDC, 24V_F2, 5A/250V,3AG,FAST, 0312005.MXP
1 — 12VDC, 12V_F1, 5A/250V,3AG,FAST, 0312005.MXP
2 — 12VDC, 12V_F2, 5A/250V,3AG,FAST, 0312005.MXP
3 — 12VDC, 12V_F3, 5A/250V,3AG,FAST, 0312005.MXP
4 — 12VDC, 12V_F4, 5A/250V,3AG,FAST, 0312005.MXP
5 — 12VDC, 12V_F5, 5A/250V,3AG,FAST, 0312005.MXP
6 — 12VDC, 12V_F6, 5A/250V,3AG,FAST, 0312005.MXP
7 — 12VDC, 12V_F7, 5A/250V,3AG,FAST, 0312005.MXP
8 — 12VDC, 12V_F8, 5A/250V,3AG,FAST, 0312005.MXP
9 — 12VDC, 12V_F9, 5A/250V,3AG,FAST, 0312005.MXP
10 — 12VDC, 12V_F10, 5A/250V,3AG,FAST, 0312005.MXP
11 — 12VDC, 12V_F11, 5A/250V,3AG,FAST, 0312005.MXP
19 — 12VDC, 12V_F12, 5A/250V,3AG,FAST, 0312005.MXP
18 — 12VDC, 12V_F13, 10A/250V,3AG,FAST, 0312010.MXP

CA-3640
150W 24VDC PSU
MEAN WELL LRS-150F-24
24VDC
24VDC
GND
GND
AC_L
AC_N
AC_EARTH
(4) 53241-2
(3) 52949-1
CR-26
39-01-2040
39-01-3043
CBL15 BLK
CBL15 GRN
CBL15 WHT
19-09-1039
19-09-2039
CA-3640
600W 12VDC PSU
MEANWELL HRP-600-12
12VDC
12VDC
12VDC
GND
GND
GND
AC_L
AC_N
AC_EARTH
52949-1
CA-4887
39-01-2100
39-01-3103
CBL12 BLK
CBL12 GRN
CBL12 WHT
19-09-1039
19-09-2039

CA-5010
1-480700-0
1-480701-0
16W-1007-BLK #721
16W-1007-GRN #722
16W-1007-WHT #723
3-350819-2
AC_N
AC_L
AC_EARTH
CBL11 GRN
CBL12 GRN
CBL13 GRN
CBL14 GRN
CBL15 GRN
CBL16 GRN
AC_EARTH
CBL11 WHT
CBL12 WHT
CBL13 WHT
CBL14 WHT
CBL15 WHT
CBL16 WHT
AC_N
CBL11 BLK
CBL12 BLK
CBL13 BLK
CBL14 BLK
CBL15 BLK
AC_L
18W-1007-BLK #720
CBL16 BLK
CBL13 BLK
CBL14 BLK
CBL17 BLK
CBL18 BLK
19-09-1039
19-09-2039
TO: SHEET 1, SECTION D1

CR-100
Line filter bracket stud
L-470-14
Relay bracket stud
16W-1007-GRN #897
AC LINE FILTER
CORCOM
10MV1
AC_N
AC_L
AC_EARTH
3-350819-2
Line filter bracket stud
BRAIDED CABLE
FROM: SHEET 1, SECTION J14
L-443-15
LS-143-5/CR-41
GROUNDING STUD
AC_EARTH
L-470-4
16W-1007-GRN #702
16W-1007-GRN #898
TO: SHEET 2, SECTION K16
16W-1007-WHT #700
16W-1007-BLK #701
14W-1015-WHT #703
14W-1015-BLK #704
14W-1015-BLK #706
14W-1015-GRN/YEL #705
DPST 16A SWITCH
MARQUARDT
1632.3312
10A BREAKER
SCHURTER
T9-4111P-10
15A/250VAC
C14 INLET FILTER
SCHAFFNER
FN9222B-15-06

CR-109
18W-1007-BLK #720
CBL16 BLK
AC Relay 25A
AC_L
AC_RELAY_HI
AC_RELAY_LO
53242-5
53241-2
22W-1007-GRN-RED #616
22W-1007-GRN-PUR #617
FROM: SHEET 2, SECTION A6

CA-5022
COMPRESSOR
CBL23 BLK
CBL23 GRN
CBL23 WHT
1-480700-0
1-480701-0
16W-1007-BLK #699
16W-1007-GRN #692
16W-1007-WHT #695
AC Relay 25A
16W-1007-BLK #699
16W-1007-BLK #698
22W-1061-GRN-RED #527
22W-1061-GRN-PUR #528
TO: SHEET 3, SECTION E16
CR-99
LS-143-5/CA-5008
GROUNDING STUD
AC_EARTH
16W-1007-GRN #692
BRAIDED CABLE + 14W-1015-GRN #899
(2)
TO: SHEET 4, SECTION B16
TO: SHEET 1, SECTION J1
L-443-15/CR-66
16W-1007-WHT #695
16W-1007-BLK #698
14W-1015-WHT #694
14W-1015-BLK #696
14W-1015-BLK #697
14W-1015-GRN/YEL #693
DPST 16A SWITCH
MARQUARDT
1632.3312
16A BREAKER
SCHURTER
T9-611P-15
15A/250VAC
C14 INLET FILTER
SCHAFFNER
FN9222B-15-06
TO: SHEET 2, SECTION G18
TO: SHEET 4, SECTION F2

Initial	JHM	2026.01.09	A		
DESCRIPTION	BY	DATE	REV		

Designed: JHM
Date: 2026.01.09
REV: A
Measurements Are In: ANSI D

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

TITLE: Godzilla Deluxe System Diagram
DWG:
SHEET:
SHEETS:

SHEET 2: MAIN HARNESS + IO & AUDIO PCBS

TO: SHEET 1, SECTION I9

22W-1061-BLK-BLU #580
22W-1061-BLU-WHT #581
22W-1061-RED-PUR #584
22W-1061-RED-PNK #583
22W-1061-GRY-PNK #585
22W-1061-GRY-PUR #586
22W-1061-GRY-ORG #587
22W-1061-GRY-WHT #588
22W-1061-GRN-BLK #589
22W-1061-GRN-BLU #590
22W-1061-GRN-YEL #591
22W-1061-GRN-GRY #592
22W-1061-WHT-PUR #573
22W-1061-PNK-WHT #593
CBL9-A BLK
CBL9-A GRN
CBL10-A WHT
CBL10-A GRN
22W-1061-PNK-BRN #571
22W-1061-GRY-BRN #570
22W-1061-GRY-RED #575
22W-1061-GRY #574
22W-1061-GRN-PUR #577
22W-1061-PNK-PUR #579
CBL8-A RED
CBL8-A BLK
51353-3800

TEST
SERVICE
VOLUME UP
VOLUME DOWN
COIN 1 / P2-UCL-7
COIN 2 / P2-UCL-2
P1 DBV
P2 DBV
P1 E-TKT RUN / P1-UCL-8
P1 E-TKT NOTCH / P1-UCL-9
P2 E-TKT RUN / P2-UCL-8
P2 E-TKT NOTCH / P2-UCL-9
MOTION STOP
PRESSURE SENSOR
P1 GUN Y POT
P1 GUN X POT
P2 GUN Y POT
P2 GUN X POT
P1 GUN TRIGGER
P1 GUN THUMB
P2 GUN TRIGGER
P2 GUN THUMB
P1 BLOWER CONTROL
P2 BLOWER CONTROL
CAN - HI
CAN - LO

USB → TO: SHEET 1, SECTION B8

18W-1007-YEL-GRY #622
22W-1007-RED #572
22W-1007-GRN-RED #616
22W-1007-GRN-PUR #617
18W-1007-BLK-ORG #623
18W-1007-BLK-ORG #624
18W-1007-BLK-ORG #625
18W-1007-BLK-YEL #626
18W-1007-BLK-YEL #627
18W-1007-BLK #569
18W-1007-BLK #615
CBL9-A RED
CBL10-A RED
CBL9-A BLK
CBL10-A BLK

12V_F12
5VDC
AC_RELAY_HI
AC_RELAY_LO
GND ×10
5VDC ×2
GND ×2

39-01-2240

RIO2
[500-00199-05]

P1 BLOWER
P2 BLOWER
P1 SOLENOID 1
P1 SOLENOID 2
P2 SOLENOID 1
P2 SOLENOID 2

39-01-2100

COIN METER
SOL VALVE UP 0
SOL VALVE UP 1
SOL VALVE UP 2
SOL VALVE UP 3
SOL VALVE DOWN 0
SOL VALVE DOWN 1
SOL VALVE DOWN 2
SOL VALVE DOWN 3
SOL VALVE DRAIN

39-01-2220

UNDER PLATFORM / BACK T-MOLD LOWER - R
UNDER PLATFORM / BACK T-MOLD LOWER - G
UNDER PLATFORM / BACK T-MOLD LOWER - B
P1 GATLING A
P1 GATLING B
P1 GATLING C
GUN CAB T-MOLD / SEAT CAB T-MOLD - R
GUN CAB T-MOLD / SEAT CAB T-MOLD - G
GUN CAB T-MOLD / SEAT CAB T-MOLD - B
BACK TRANSLITE - W

P2 GATLING A
P2 GATLING B
P2 GATLING C
DASH GRAPHIC / SIDE SEAT GRAPHIC - W
ENCLOSURE SPOTLIGHT
MOTION STOP LAMP
BACK T-MOLD UPPER - B
SEAT - B
SEAT PUCKS
SEATBACK ARM - R
SEATBACK ARM - G
SEATBACK ARM - B
MONITOR CAB T-MOLD - R
MONITOR CAB T-MOLD - G
MONITOR CAB T-MOLD - B
BACK T-MOLD UPPER - R
BACK T-MOLD UPPER - G
MARQUEE BULDINGS - W
GODZILLA BODY - W
GODZILLA SCALES - B

22W-1007-PUR-RED #564
22W-1007-PUR-GRN #565
22W-1007-PUR-BLU #566
18W-1007-BRN-BLK #550
22W-1007-GRY-BLK #632
22W-1007-PNK-BLK #568
22W-1007-PUR-BLK #559
22W-1007-WHT-BLK #545
22W-1007-BLK-PNK #546
18W-1007-YEL-RED #547
18W-1007-YEL-GRN #548
18W-1007-YEL-BLU #549
18W-1007-WHT-RED #609
18W-1007-WHT-GRN #610
18W-1007-WHT-BLU #611
22W-1007-BLU-RED #557
22W-1007-BLU-GRN #558
22W-1007-BLU #612
18W-1007-BLU-GRY #613
22W-1007-BLU-PNK #614

39-01-2200

18W-1007-PUR-YEL #576
18W-1007-PUR-BLU #578
18W-1007-PNK #628
18W-1007-PUR-PNK #629
18W-1007-WHT-PNK #630
18W-1007-BRN-PNK #631

22W-1007-YEL-BRN #581
22W-1007-GRY-YEL #594
22W-1007-BLU-YEL #595
22W-1007-PNK-YEL #596
22W-1007-GRN-YEL #597
22W-1007-GRN-ORG #598
22W-1007-BLU-ORG #599
22W-1007-PNK-ORG #600
22W-1007-PUR-ORG #601
22W-1007-WHT-ORG #561

22W-1007-BRN-RED #554
22W-1007-BRN-GRN #556
22W-1007-BRN-BLU #555
22W-1007-GRY-RED #561
22W-1007-GRY-GRN #562
22W-1007-GRY-BLU #563
22W-1007-PNK-RED #551
22W-1007-PNK-GRN #552
22W-1007-PNK-BLU #553
18W-1007-BLU-BLK #560

CR-109

TO: SHEET 3, SECTION D9

18W-1007-ORG-PNK, #602,#603
18W-1007-ORG-PUR, #604,#605
18W-1007-ORG-YEL #606
18W-1007-YEL-PUR #607
18W-1007-YEL-GRY #622
18W-1007-YEL-BLK #620
22W-1007-BLK-ORG #608
18W-1007-BLK-ORG #618
18W-1007-BLK-ORG #623
18W-1007-BLK-ORG #624
18W-1007-BLK-ORG #625
18W-1007-BLK-YEL #626
18W-1007-BLK-YEL #627
18W-1007-PNK #628
18W-1007-PUR-PNK #629
18W-1007-WHT-PNK #630
18W-1007-BRN-PNK #631

39-01-2181

CR-116

18W-1007-ORG-PNK #033
18W-1007-ORG-PUR #034
18W-1007-ORG-YEL #035
18W-1007-YEL-PUR #036
18W-1007-YEL-GRY #037
18W-1007-YEL-BLK #038
18W-1007-BLK-ORG, #039,#032
18W-1007-BLK-ORG #040
18W-1007-BLK-ORG #041
18W-1007-BLK-ORG #042
18W-1007-BLK-ORG #043
18W-1007-BLK-YEL #044
18W-1007-BLK-YEL #045
18W-1007-PNK #014
18W-1007-PUR-PNK #015
18W-1007-WHT-PNK #016
18W-1007-BRN-PNK #017

FROM: SHEET 1, SECTION J19

39-01-2180

TO: SHEET 1, SECTION B5

5.1 AUDIO AMP
[380-00010-01]

SEAT CABINET SUBWOOFER +
SEAT LEFT SUBWOOFER +
SEAT RIGHT SUBWOOFER +
SEAT CABINET SUBWOOFER -
SEAT LEFT SUBWOOFER -
SEAT RIGHT SUBWOOFER -

46992-1410

OVERHEAD LEFT SPEAKER +
OVERHEAD RIGHT SPEAKER +
FRONT LEFT SPEAKER +
FRONT RIGHT SPEAKER +
OVERHEAD LEFT SPEAKER -
OVERHEAD RIGHT SPEAKER -
FRONT LEFT SPEAKER -
FRONT RIGHT SPEAKER -

39-01-2140

GND
GND
12V_F13
12V_F13

39-01-2040

CBL1-A RED
CBL2-A RED
CBL4-A RED
CBL1-A BLK
CBL2-A BLK
CBL4-A BLK
CBL3-A RED
CBL5-A RED
CBL6-A RED
CBL7-A RED
CBL3-A BLK
CBL5-A BLK
CBL6-A BLK
CBL7-A BLK

18W-1007-BLK-ORG, #619,#618
18W-1007-BLK-ORG #619
18W-1007-YEL-BLK, #621,#620
18W-1007-YEL-BLK #621

RIO2 plate stud
16W-1007-GRN #898
FROM: SHEET 1, SECTION J7
L-470-4

TO: SHEET 4, SECTION I2

TO: SHEET 4, SECTION C1

			F	Designed: JHM	Date: 2026.01.09	REV A	Measurements Are In: ANSI D
			E				
			D	Raw Thrills, Inc.			TITLE: Godzilla Deluxe System Diagram
			C	5441 Fargo Ave. Skokie, IL 60077 USA	rawthrills.com tel: 847.679.8373 fax: 847.679.8538		DWG
			B				SHEET / SHEETS
Initial	JHM	2026.01.09	A				
DESCRIPTION	BY	DATE	REV				

SHEET 3: COMPRESSOR MONITOR PCB + MAIN CABINET UPPER COMPARTMENT + MARQUEE

CA-4998
AUB1212H-CK15 12VDC FAN
12V_F6
GND
TACH_3
22W-1007-YEL #655
22W-1007-BLK #656
22W-1007-GRN #657
22W-1007-YEL #655
22W-1007-BLK #656
22W-1007-GRN #657
22W-1061-ORG-YEL #519
22W-1061-BLK #520
22W-1061-GRN-ORG #521
22W-1061-GRN-PNK #522
39-01-2040
39-01-3043

CA-4998
AUB1212H-CK15 12VDC FAN
12V_F6
GND
TACH_4
22W-1007-YEL #658
22W-1007-BLK #659
22W-1007-GRN #660
22W-1007-YEL #658
22W-1007-BLK #659
22W-1007-GRN #660
22W-1061-ORG-YEL #523
22W-1061-BLK #524
22W-1061-BRN-ORG #525
22W-1061-BRN-PNK #526
39-01-2040
39-01-3043

CR-99

CA-5112
22W-1061-ORG-YEL #661
22W-1061-ORG-YEL #662
22W-1061-BLK #663
CBL8-C BLK
22W-1061-BLK #664
CBL8-C RED
12V_F9
12V_F9
GND
CAN - LO
GND
CAN - HI
51353-1000

COMPRESSOR THERMAL MONITOR
[500-00253-01]
12V_F6
12V_F6
12V_F6
12V_F6
GND
GND
GND
TACH_1
PWM_1
TACH_2
PWM_2
TACH_3
PWM_3
TACH_4
PWM_4
AC_RELAY_HI
AC_RELAY_LO
22W-1061-ORG-YEL #511
22W-1061-ORG-YEL #515
22W-1061-ORG-YEL #519
22W-1061-ORG-YEL #523
22W-1061-BLK #512
22W-1061-BLK #516
22W-1061-BLK #520
22W-1061-BLK #524
22W-1061-PNK-WHT #513
22W-1061-PNK-YEL #514
22W-1061-GRY-WHT #517
22W-1061-GRY-YEL #518
22W-1061-GRN-ORG #521
22W-1061-GRN-PNK #522
22W-1061-BRN-ORG #525
22W-1061-BRN-PNK #526
22W-1061-GRN-RED #527
22W-1061-GRN-PUR #528
51353-3200

FROM: SHEET 1, SECTION I14

CA-4998
22W-1061-ORG-YEL #511
22W-1061-BLK #512
22W-1061-PNK-WHT #513
22W-1061-PNK-YEL #514
22W-1007-YEL #665
22W-1007-BLK #666
22W-1007-GRN #667
12V_F6
GND
TACH_1
12VDC FAN AUB1212H-CK15
39-01-3043
39-01-2040

CA-4998
22W-1061-ORG-YEL #515
22W-1061-BLK #516
22W-1061-GRY-WHT #517
22W-1061-GRY-YEL #518
22W-1007-YEL #668
22W-1007-BLK #669
22W-1007-GRN #670
12V_F6
GND
TACH_2
12VDC FAN AUB1212H-CK15
39-01-3043
39-01-2040

CR-109
FROM: SHEET 2, SECTION G15
18W-1007-ORG-PNK #602
18W-1007-ORG-PNK #603
18W-1007-ORG-PNK #604
18W-1007-ORG-PUR #605
18W-1007-ORG-YEL #606
18W-1007-ORG-RED #607
22W-1007-BLK-ORG #608
18W-1007-WHT-RED #609
18W-1007-WHT-GRN #610
18W-1007-WHT-BLU #611
22W-1007-BLU #612
22W-1007-BLU-GRY #613
18W-1007-BLU-GRY #614
18W-1007-BLK #615
CBL8-A RED
CBL8-A BLK
39-01-2161
22W-1061-ORG-YEL, #661,#662
22W-1061-BLK, #663,#664
CBL8-C RED
CBL8-C BLK
39-01-2040
39-01-2160
39-01-3043
22W-1007-ORG-PNK #366
18W-1007-ORG-PNK, #370,#374
18W-1007-ORG-PNK, #382
18W-1007-ORG-YEL #384
22W-1007-ORG-PUR, #378,#382
18W-1007-ORG-YEL #364
22W-1007-BLK-ORG, #367,#369
22W-1007-WHT-RED, #371,#375
18W-1007-WHT-GRN, #372,#377
22W-1007-WHT-BLU, #373,#381
22W-1007-BLU #387
18W-1007-BLU-GRY #388
18W-1007-BLU-GRY #614
18W-1007-BLK #365
CBL8-B RED
CBL8-B BLK
18W-1007-ORG-YEL #364
18W-1007-BLK #365
CBL8-B RED
CBL8-B BLK

CR-121
[500-00131-01]
RGB LED Strip
Segments: 33
18W-1007-ORG-PNK #374
22W-1007-WHT-RED #375
22W-1007-WHT-GRN #376
22W-1007-WHT-BLU #377
22W-1007-WHT #881
22W-1007-RED #882
22W-1007-GRN #883
22W-1007-BLU #884
12V_F6
MONITOR CAB T-MOLD - R
MONITOR CAB T-MOLD - G
MONITOR CAB T-MOLD - B
03-06-1042
03-06-2042

90-19-362-WHT-1
22W-1007-ORG-PNK, #366,#368
22W-1007-BLK-ORG, #367,#369
22W-1007-RED #873
22W-1007-BLK #874
12V_F6
GND
WHITE SUPERPUCK
03-06-1023
03-06-2023

90-19-362-WHT-1
22W-1007-ORG-PNK #368
22W-1007-BLK-ORG #369
22W-1007-RED #875
22W-1007-BLK #876
12V_F6
GND
WHITE SUPERPUCK
03-06-1023
03-06-2023

CR-121
[500-00131-01]
RGB LED Strip
Segments: 33
18W-1007-ORG-PNK #370
22W-1007-WHT-RED, #371,#379
22W-1007-WHT-GRN, #372,#380
22W-1007-WHT-BLU, #373,#381
22W-1007-WHT #877
22W-1007-RED #878
22W-1007-GRN #879
22W-1007-BLU #880
12V_F6
MONITOR CAB T-MOLD - R
MONITOR CAB T-MOLD - G
MONITOR CAB T-MOLD - B
03-06-1042
03-06-2042

CR-44
[500-00162-01]
WHT LED Strip
Segments: 13/5
12V_F11
MARQUEE BUILDINGS - W
22W-1007-RED #793
22W-1007-BLK #794
22W-1007-RED #795
22W-1007-BLK #796
22W-1007-RED #793
22W-1007-RED #795
22W-1007-BLK #794
22W-1007-BLK #796
39-01-2060
39-01-3063

CR-45
[500-00162-01]
WHT LED Strip
Segments: 32
12V_F11
GODZILLA BODY - W
Segments: 11
22W-1007-RED #797
22W-1007-BLK #799
22W-1007-RED #798
22W-1007-BLK #800
22W-1007-RED #797
22W-1007-RED #798
22W-1007-BLK #799
22W-1007-BLK #800
39-01-2040
39-01-3043

CR-46
[500-00189-01]
BLU LED Strip
Segments: 6/3
12V_F11
GODZILLA SCALES - B
22W-1007-RED #801
22W-1007-BLK #802
39-01-4030
39-01-4036

NOT USED

CR-42
22W-1007-ORG-RED #529
22W-1007-PUR-BLK #530
18W-1007-YEL-PUR, #531,#532
18W-1007-YEL-PUR, #532,#539
22W-1007-BLU, #533,#534
22W-1007-BLU-GRY #534
18W-1007-YEL-PUR, #535,#536
18W-1007-YEL-PUR #536
18W-1007-BLU-GRY #538
18W-1007-BLU-GRY #537
18W-1007-YEL-PUR #539
22W-1007-BLU-PNK #540
39-01-3023
39-01-3063
39-01-3043
39-01-4036

CR-123
[500-00131-01]
RGB LED Strip
Segments: 24
12V_F7
MONITOR CAB T-MOLD - R
MONITOR CAB T-MOLD - G
MONITOR CAB T-MOLD - B
22W-1007-WHT #885
22W-1007-RED #886
22W-1007-GRN #887
22W-1007-BLU #888
22W-1007-ORG-PUR #378
22W-1007-ORG-RED #381,#379
22W-1007-WHT-GRN, #384,#380
22W-1007-WHT-BLU, #385,#381
03-06-2042
03-06-1042

CR-123
[500-00131-01]
RGB LED Strip
Segments: 24
12V_F7
MONITOR CAB T-MOLD - R
MONITOR CAB T-MOLD - G
MONITOR CAB T-MOLD - B
22W-1007-WHT #889
22W-1007-RED #890
22W-1007-GRN #891
22W-1007-BLU #892
22W-1007-ORG-PUR #382
22W-1007-WHT-RED #383
22W-1007-WHT-GRN #384
22W-1007-WHT-BLU #385
03-06-2042
03-06-1042

18W-1007-YEL-PUR, #531,#535
22W-1007-ORG-RED #529
22W-1007-PUR-BLK #530
22W-1007-BLU #533
18W-1007-BLU-GRY #537
22W-1007-BLU-PNK #540
18W-1007-YEL-PUR #386
22W-1007-BLU #387
18W-1007-BLU-GRY #388
22W-1007-BLU-PNK #389
39-01-2060
39-01-3063

12VDC FAN
12V_F7
GND
22W-1007-RED #727
22W-1007-BLK #728
CA-3277
22W-1007-RED #727
22W-1007-BLK #728
03-09-1022
03-09-2022
22W-1007-ORG-PUR #390
22W-1007-BLK-ORG #391

CR-115

			F	
			E	
			D	
			C	
			B	
Initial	JHM	2026.01.09	A	
DESCRIPTION	BY	DATE	REV	

Designed: JHM
Date: 2026.01.09
REV: A
Measurements Are In: ANSI D

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

TITLE: Godzilla Deluxe System Diagram
DWG:
SHEET:
SHEETS:

SHEET 4: MANIFOLD + SPACER CABINET + MOTION PLATFORM UNDERGLOW

CR-109

FROM: SHEET 2, SECTION L8

22W-1007-PNK-BLK #568	1	1	22W-1007-PNK-BLK #452
18W-1007-BLK #569	2	2	18W-1007-BLK, #496,#455
22W-1061-GRY-BRN #570	3	3	22W-1007-GRY-BRN #456
22W-1061-PNK-BRN #571	4	4	22W-1007-PNK-BRN #457
22W-1007-RED #572	5	5	22W-1007-RED, #486,#458
22W-1061-WHT-PUR #573	6	6	22W-1007-WHT-PUR #459
22W-1061-GRY #574	7	7	22W-1007-GRY #461
22W-1061-PNK-GRY #575	8	8	22W-1007-PNK-GRY #462
18W-1007-PUR-YEL #576	9	9	18W-1007-PUR-YEL #463
22W-1061-GRN-PUR #577	10	10	22W-1007-GRN-PUR #463
18W-1007-RED-YEL #578	11	11	18W-1007-RED-YEL #454
22W-1061-PNK-PUR #579	12	12	22W-1007-PNK-PUR #464
	39-01-3123		39-01-2120

22W-1061-BLK-BLU #580	1	1	22W-1007-BLK-BLU #465
22W-1007-YEL-BRN #581	2	2	22W-1007-YEL-BRN #466
22W-1061-PUR-WHT #582	3	3	22W-1007-PUR-WHT #467
22W-1061-RED-PNK #583	4	4	22W-1007-RED-PNK #468
22W-1061-RED-PUR #584	5	5	22W-1007-RED-PUR #469
22W-1061-GRY-PNK #585	6	6	22W-1007-GRY-PNK #470
22W-1061-GRY-PUR #586	7	7	22W-1007-GRY-PUR #471
22W-1061-GRY-ORG #587	8	8	22W-1007-GRY-ORG #472
22W-1061-GRY-WHT #588	9	9	22W-1007-GRY-WHT #473
22W-1061-GRN-BLK #589	10	10	22W-1007-GRN-BLK #474
22W-1061-GRN-BLU #590	11	11	22W-1007-GRN-BLU #475
22W-1061-GRN-BRN #591	12	12	22W-1007-GRN-BRN #476
22W-1061-GRN-GRY #592	13	13	22W-1007-GRN-GRY #477
CBL9-A BLK	14	14	CBL9-B BLK
CBL9-A RED	15	15	CBL9-B RED
CBL9-A WHT	16	16	CBL9-B WHT
CBL9-A GRN	17	17	CBL9-B GRN
CBL10-A BLK	18	18	CBL10-B BLK
CBL10-A RED	19	19	CBL10-B RED
CBL10-A WHT	20	20	CBL10-B WHT
CBL10-A GRN	21	21	CBL10-B GRN
	22	22	
	39-01-2221		39-01-2220

CBL1-A RED	1	1	CBL1-B RED
CBL1-A BLK	2	2	CBL1-B BLK
CBL2-A RED	3	3	CBL2-B RED
CBL2-A BLK	4	4	CBL2-B BLK
CBL3-A RED	5	5	CBL3-B RED
CBL3-A BLK	6	6	CBL3-B BLK
CBL4-A RED	7	7	CBL4-B RED
CBL4-A BLK	8	8	CBL4-B BLK
CBL5-A RED	9	9	CBL5-B RED
CBL5-A BLK	10	10	CBL5-B BLK
CBL6-A RED	11	11	CBL6-B RED
CBL6-A BLK	12	12	CBL6-B BLK
CBL7-A RED	13	13	CBL7-B RED
CBL7-A BLK	14	14	CBL7-B BLK
	39-01-3143		39-01-2140

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FROM: SHEET 1, SECTION J20

18W-1007-ORG-BLK #018	1	1	18W-1007-ORG-BLK #416
18W-1007-ORG-BLU #019	2	2	18W-1007-ORG-BLU #417
18W-1007-ORG-BRN #020	3	3	18W-1007-ORG-BRN #418
18W-1007-ORG-GRN #021	4	4	18W-1007-ORG-GRN, #478,#419
18W-1007-ORG-GRY #022	5	5	18W-1007-ORG-GRY #420
18W-1007-ORG-RED #023	6	6	18W-1007-ORG-RED, #421,#499
18W-1007-ORG-WHT #024	7	7	18W-1007-ORG-WHT, #507,#422
18W-1007-YEL-GRY #025	8	8	18W-1007-YEL-GRY #423
18W-1007-YEL-ORG #026	9	9	18W-1007-YEL-ORG #440
18W-1007-YEL-PNK #027	10	10	18W-1007-YEL-PNK #441
18W-1007-PNK #028	11	11	18W-1007-PNK #442
18W-1007-PUR-PNK #029	12	12	18W-1007-PUR-PNK #443
18W-1007-WHT-PNK #030	13	13	18W-1007-WHT-PNK #444
18W-1007-BRN-PNK #031	14	14	18W-1007-BRN-PNK #445
18W-1007-BLK-ORG #032	15	15	22W-1007-BLK-ORG #508
	16	16	
	39-01-2161		39-01-2160

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FROM: SHEET 2, SECTION L15

22W-1061-PNK-WHT #593	1	1	22W-1007-PNK-WHT #487
22W-1007-GRY-YEL #594	2	2	22W-1007-GRY-YEL #488
22W-1007-BLU-YEL #595	3	3	22W-1007-BLU-YEL #489
22W-1007-BRN-YEL #596	4	4	22W-1007-BRN-YEL #490
22W-1007-GRN-YEL #597	5	5	22W-1007-GRN-YEL #491
22W-1007-GRN-ORG #598	6	6	22W-1007-GRN-ORG #492
22W-1007-BLU-ORG #599	7	7	22W-1007-BLU-ORG #493
22W-1007-PNK-ORG #600	8	8	22W-1007-PNK-ORG #494
22W-1007-PUR-ORG #601	9	9	22W-1007-PUR-ORG #495
	10	10	
	39-01-3103		39-01-2100

22W-1007-WHT-BLK #545	1	1	22W-1007-WHT-BLK #424
22W-1007-BLK-PNK #546	2	2	22W-1007-BLK-PNK #425
18W-1007-YEL-RED #547	3	3	18W-1007-YEL-RED #426
18W-1007-YEL-GRN #548	4	4	18W-1007-YEL-GRN #427
18W-1007-YEL-BLU #549	5	5	18W-1007-YEL-BLU #428
18W-1007-BRN-BLK #550	6	6	18W-1007-BRN-BLK #429
22W-1007-PNK-RED #551	7	7	22W-1007-PNK-RED #430
22W-1007-PNK-GRN #552	8	8	22W-1007-PNK-GRN #431
22W-1007-PNK-BLU #553	9	9	22W-1007-PNK-BLU #432
22W-1007-BRN-RED #554	10	10	22W-1007-BRN-RED, #433,#500
22W-1007-BRN-GRN #555	11	11	22W-1007-BRN-GRN, #434,#501
22W-1007-BRN-BLU #556	12	12	22W-1007-BRN-BLU, #435,#502
22W-1007-BLU-RED #557	13	13	22W-1007-BLU-RED #436
22W-1007-BLU-GRN #558	14	14	22W-1007-BLU-GRN #437
22W-1007-PUR-BLK #559	15	15	22W-1007-PUR-BLK #438
18W-1007-BLU-BLK #560	16	16	18W-1007-BLU-BLK #439
22W-1007-GRY-RED #561	17	17	22W-1007-GRY-RED #446
22W-1007-GRY-GRN #562	18	18	22W-1007-GRY-GRN #447
22W-1007-GRY-BLU #563	19	19	22W-1007-GRY-BLU #448
22W-1007-PUR-RED #564	20	20	22W-1007-PUR-RED #449
22W-1007-PUR-GRN #565	21	21	22W-1007-PUR-GRN #450
22W-1007-PUR-BLU #566	22	22	22W-1007-PUR-BLU #451
22W-1007-WHT-ORG #567	23	23	22W-1007-PUR-RED #498
22W-1007-GRY-BLK #632	24	24	22W-1007-GRY-BLK #509
	39-01-2241		39-01-2240

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[500-00184-01] Segments: 8 RGB LED Strip — CA-5017

12V_F8			
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-WHT #777	1	22W-1007-ORG-RED #107
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-RED #778	2	22W-1007-WHT-RED #108
UNDER PLATFORM BACK T-MOLD LOWER - G	22W-1007-GRN #779	3	22W-1007-WHT-GRN #109
UNDER PLATFORM BACK T-MOLD LOWER - B	22W-1007-BLU #780	4	22W-1007-WHT-BLU #110
	03-06-2042		03-06-1042

[500-00184-01] Segments: 8 RGB LED Strip — CA-5017

12V_F8			
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-WHT #785	1	22W-1007-ORG-RED, #111,#115
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-RED #786	2	22W-1007-WHT-RED, #112,#116
UNDER PLATFORM BACK T-MOLD LOWER - G	22W-1007-GRN #787	3	22W-1007-WHT-GRN, #113,#117
UNDER PLATFORM BACK T-MOLD LOWER - B	22W-1007-BLU #788	4	22W-1007-WHT-BLU, #114,#118
	03-06-2042		03-06-1042

[500-00184-01] Segments: 8 RGB LED Strip — CA-5017

12V_F8			
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-WHT #789	1	22W-1007-ORG-RED #115
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-RED #790	2	22W-1007-WHT-RED #116
UNDER PLATFORM BACK T-MOLD LOWER - G	22W-1007-GRN #791	3	22W-1007-WHT-GRN #117
UNDER PLATFORM BACK T-MOLD LOWER - B	22W-1007-BLU #792	4	22W-1007-WHT-BLU #118
	03-06-2042		03-06-1042

[500-00184-01] Segments: 8 RGB LED Strip — CA-5017

12V_F8			
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-WHT #803	1	22W-1007-ORG-RED #095
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-RED #804	2	22W-1007-WHT-RED #096
UNDER PLATFORM BACK T-MOLD LOWER - G	22W-1007-GRN #805	3	22W-1007-WHT-GRN #097
UNDER PLATFORM BACK T-MOLD LOWER - B	22W-1007-BLU #806	4	22W-1007-WHT-BLU #098
	03-06-2042		03-06-1042

[500-00184-01] Segments: 8 RGB LED Strip — CA-5017

12V_F8			
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-WHT #807	1	22W-1007-ORG-RED, #099,#103
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-RED #808	2	22W-1007-WHT-RED, #100,#104
UNDER PLATFORM BACK T-MOLD LOWER - G	22W-1007-GRN #809	3	22W-1007-WHT-GRN, #101,#105
UNDER PLATFORM BACK T-MOLD LOWER - B	22W-1007-BLU #810	4	22W-1007-WHT-BLU, #102,#106
	03-06-2042		03-06-1042

[500-00184-01] Segments: 8 RGB LED Strip — CA-5017

12V_F8			
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-WHT #811	1	22W-1007-ORG-RED #103
UNDER PLATFORM BACK T-MOLD LOWER - R	22W-1007-RED #812	2	22W-1007-WHT-RED #104
UNDER PLATFORM BACK T-MOLD LOWER - G	22W-1007-GRN #813	3	22W-1007-WHT-GRN #105
UNDER PLATFORM BACK T-MOLD LOWER - B	22W-1007-BLU #814	4	22W-1007-WHT-BLU #106
	03-06-2042		03-06-1042

22W-1007-ORG-RED, #111,#107	1	1	18W-1007-ORG-RED, #499,#503
22W-1007-WHT-RED, #112,#108	2	2	22W-1007-BRN-RED, #500,#504
22W-1007-WHT-GRN, #113,#109	3	3	22W-1007-BRN-GRN, #501,#505
22W-1007-WHT-BLU, #114,#110	4	4	22W-1007-BRN-BLU, #502,#506
	39-01-2041		39-01-2040

CR-120

22W-1007-ORG-RED, #099,#095	1	1	18W-1007-ORG-RED #503
22W-1007-WHT-RED, #100,#096	2	2	22W-1007-BRN-RED #504
22W-1007-WHT-GRN, #101,#097	3	3	22W-1007-BRN-GRN #505
22W-1007-WHT-BLU, #102,#098	4	4	22W-1007-BRN-BLU #506
	39-01-2041		39-01-2040

CR-110

CA-4901

18W-1007-ORG-GRN #497	1	1	22W-1007-RED #690
22W-1007-WHT-ORG #498	2	2	22W-1007-BLK #691
	39-01-3023		39-01-2020

1 — 12V_F4; 2 — SOL VALVE DRAIN — Drain Valve

CA-4903

18W-1007-ORG-GRN, #478,#479	1	1	22W-1007-RED #674
18W-1007-ORG-GRN, #479,#480	2	2	22W-1007-RED #675
18W-1007-ORG-GRN, #480,#481	3	3	22W-1007-RED #676
18W-1007-ORG-GRN, #481,#482	4	4	22W-1007-RED #677
18W-1007-ORG-GRN, #482,#483	5	5	22W-1007-RED #678
18W-1007-ORG-GRN, #483,#484	6	6	22W-1007-RED #679
18W-1007-ORG-GRN, #484,#485	7	7	22W-1007-RED #680
18W-1007-ORG-GRN, #485,#497	8	8	22W-1007-RED #681
22W-1007-RED #486	9	9	22W-1007-RED #672
22W-1007-PNK-WHT #487	10	10	22W-1007-PNK-WHT #673
22W-1007-GRY-YEL #488	11	11	22W-1007-BLK #682
22W-1007-BLU-YEL #489	12	12	22W-1007-BLK #683
22W-1007-BRN-YEL #490	13	13	22W-1007-BLK #684
22W-1007-GRN-YEL #491	14	14	22W-1007-BLK #685
22W-1007-GRN-ORG #492	15	15	22W-1007-BLK #686
22W-1007-BLU-ORG #493	16	16	22W-1007-BLK #687
22W-1007-PNK-ORG #494	17	17	22W-1007-BLK #688
22W-1007-PUR-ORG #495	18	18	22W-1007-BLK #689
18W-1007-BLK #496	19	19	22W-1007-BLK #671
	20	20	
	39-01-2201		39-01-2200

Pressure Sensor M7139-200PG-500000 — 1211-0192

22W-1007-BLK #671	1	GND
22W-1007-RED #672	2	5VDC
22W-1007-PNK-WHT #673	3	PRESSURE SENSOR

22W-1007-RED #675	+	12V_F4	VALVE 1
22W-1007-BLK #683	-	A SOL VALVE UP 1	
22W-1007-RED #679	+	12V_F4	VALVE 1
22W-1007-BLK #687	-	B SOL VALVE DOWN 1	
22W-1007-RED #674	+	12V_F4	VALVE 0
22W-1007-BLK #682	-	A SOL VALVE UP 0	
22W-1007-RED #678	+	12V_F4	VALVE 0
22W-1007-BLK #686	-	B SOL VALVE DOWN 0	
22W-1007-RED #676	+	12V_F4	VALVE 2
22W-1007-BLK #684	-	A SOL VALVE UP 2	
22W-1007-RED #680	+	12V_F4	VALVE 2
22W-1007-BLK #688	-	B SOL VALVE DOWN 2	
22W-1007-RED #677	+	12V_F4	VALVE 3
22W-1007-BLK #685	-	A SOL VALVE UP 3	
22W-1007-RED #681	+	12V_F4	VALVE 3
22W-1007-BLK #689	-	B SOL VALVE DOWN 3	

NOT USED (for additional compressor cooling fan, if needed)

18W-1007-ORG-WHT #507	1	1	12V_F10
22W-1007-BLK-ORG #508	2	2	GND
	03-09-2022		

FROM: SHEET 1, SECTION J14

CR-66 — 770421-1

14W-1015-GRN #899	1	1	18W-1007-GRN-YEL #894
			1-350867-0

CR-165 (x2) — 2-34150-1 — Panel mount bracket screw

16W-1007-GRN-YEL, #460,#510	1	1	18W-1007-GRN-YEL #893
770421-1			1-350867-0
			2-34150-1

CR-111

18W-1007-BLK #455	1	1	18W-1007-BLK, #274,#296
22W-1007-GRY-BRN #456	2	2	22W-1007-GRY-BRN #275
22W-1007-PNK-BRN #457	3	3	22W-1007-PNK-BRN #276
22W-1007-RED #458	4	4	22W-1007-RED, #300,#312
22W-1007-WHT-PUR #459	5	5	22W-1007-WHT-PUR #313
16W-1007-GRN-YEL #460	6	6	16W-1007-GRN-YEL #279
22W-1007-GRY #461	7	7	22W-1007-GRY #290
22W-1007-PNK-GRY #462	8	8	22W-1007-PNK-GRY #291
22W-1007-GRN-PUR #463	9	9	22W-1007-GRN-PUR #319
22W-1007-PNK-PUR #464	10	10	22W-1007-PNK-PUR #321
39-01-2100			39-01-2101

18W-1007-YEL-ORG #440	1	1	18W-1007-YEL-ORG #270
18W-1007-YEL-PNK #441	2	2	18W-1007-YEL-PNK #271
18W-1007-PNK #442	3	3	18W-1007-PNK #277
18W-1007-PUR-PNK #443	4	4	18W-1007-PUR-PNK #278
18W-1007-WHT-PNK #444	5	5	18W-1007-WHT-PNK #292
18W-1007-BRN-PNK #445	6	6	18W-1007-BRN-PNK #293
22W-1007-GRY-RED #446	7	7	22W-1007-GRY-RED #280
22W-1007-GRY-GRN #447	8	8	22W-1007-GRY-GRN #281
22W-1007-GRY-BLU #448	9	9	22W-1007-GRY-BLU #282
22W-1007-PUR-RED #449	10	10	22W-1007-PUR-RED #283
22W-1007-PUR-GRN #450	11	11	22W-1007-PUR-GRN #284
22W-1007-PUR-BLU #451	12	12	22W-1007-PUR-BLU #285
22W-1007-PNK-BLK #452	13	13	22W-1007-PNK-BLK #314
18W-1007-PUR-YEL #453	14	14	18W-1007-PUR-YEL #318
18W-1007-RED-YEL #454	15	15	18W-1007-RED-YEL #320
22W-1007-GRY-BLK #509	16	16	22W-1007-GRY-BLK #323
39-01-2160			39-01-2161

18W-1007-ORG-BLK #416	1	1	18W-1007-ORG-BLK, #272,#273
18W-1007-ORG-BLU #417	2	2	18W-1007-ORG-BLU #247,#248
18W-1007-ORG-BRN #418	3	3	18W-1007-ORG-BRN, #249,#309
18W-1007-ORG-GRN #419	4	4	18W-1007-ORG-GRN #310
18W-1007-ORG-GRY #420	5	5	18W-1007-ORG-GRY #250
18W-1007-ORG-RED #421	6	6	22W-1007-ORG-RED #311
18W-1007-ORG-WHT #422	7	7	18W-1007-ORG-WHT #251
18W-1007-YEL-GRY #423	8	8	18W-1007-YEL-GRY #252
22W-1007-WHT-BLK #424	9	9	22W-1007-WHT-BLK #253
22W-1007-BLK-PNK #425	10	10	22W-1007-BLK-PNK #254
18W-1007-YEL-RED #426	11	11	18W-1007-YEL-RED #256
18W-1007-YEL-GRN #427	12	12	18W-1007-YEL-GRN #257
18W-1007-YEL-BLU #428	13	13	18W-1007-YEL-BLU #258
18W-1007-BRN-BLK #429	14	14	18W-1007-BRN-BLK, #259,#286
22W-1007-PNK-RED #430	15	15	22W-1007-PNK-RED, #260,#315
22W-1007-PNK-GRN #431	16	16	22W-1007-PNK-GRN, #261,#316
22W-1007-PNK-BLU #432	17	17	22W-1007-PNK-BLU, #262,#317
22W-1007-BRN-RED #433	18	18	22W-1007-BRN-RED #263
22W-1007-BRN-GRN #434	19	19	22W-1007-BRN-GRN #264
22W-1007-BRN-BLU #435	20	20	22W-1007-BRN-BLU #265
22W-1007-BLU-RED #436	21	21	22W-1007-BLU-RED #266
22W-1007-BLU-GRN #437	22	22	22W-1007-BLU-GRN #267
22W-1007-PUR-BLK #438	23	23	22W-1007-PUR-BLK #268
18W-1007-BLU-BLK #439	24	24	18W-1007-BLU-BLK #269
39-01-2240			39-01-2241

CBL1-B RED	1	1	CBL1-C RED
CBL1-B BLK	2	2	CBL1-C BLK
CBL2-B RED	3	3	CBL2-C RED
CBL2-B BLK	4	4	CBL2-C BLK
CBL3-B RED	5	5	CBL3-C RED
CBL3-B BLK	6	6	CBL3-C BLK
CBL4-B RED	7	7	CBL4-C RED
CBL4-B BLK	8	8	CBL4-C BLK
CBL5-B RED	9	9	CBL5-C RED
CBL5-B BLK	10	10	CBL5-C BLK
CBL6-B RED	11	11	CBL6-C, CBL6-D RED,RED
CBL6-B BLK	12	12	CBL6-C, CBL6-D BLK,BLK
CBL7-B RED	13	13	CBL7-C, CBL7-D RED,RED
CBL7-B BLK	14	14	CBL7-C, CBL7-D BLK,BLK
39-01-2140			39-01-2141

22W-1007-BLK-BLU #465	1	1	22W-1007-BLK-BLU #294
22W-1007-YEL-BRN #466	2	2	22W-1007-YEL-BRN #295
22W-1007-PUR-WHT #467	3	3	22W-1007-PUR-WHT #297
22W-1007-RED-PNK #468	4	4	22W-1007-RED-PNK #298
22W-1007-RED-PUR #469	5	5	22W-1007-RED-PUR #299
22W-1007-GRY-PNK #470	6	6	22W-1007-GRY-PNK #301
22W-1007-GRY-PUR #471	7	7	22W-1007-GRY-PUR #302
22W-1007-GRY-ORG #472	8	8	22W-1007-GRY-ORG #303
22W-1007-GRY-WHT #473	9	9	22W-1007-GRY-WHT #304
22W-1007-GRN-BLK #474	10	10	22W-1007-GRN-BLK #305
22W-1007-GRN-BLU #475	11	11	22W-1007-GRN-BLU #306
22W-1007-GRN-BRN #476	12	12	22W-1007-GRN-BRN #307
22W-1007-GRN-GRY #477	13	13	22W-1007-GRN-GRY #308
CBL9-B BLK	14	14	CBL9-C BLK
CBL9-B RED	15	15	CBL9-C RED
CBL9-B WHT	16	16	CBL9-C WHT
CBL9-B GRN	17	17	CBL9-C GRN
CBL10-B BLK	18	18	CBL10-C BLK
CBL10-B RED	19	19	CBL10-C RED
CBL10-B WHT	20	20	CBL10-C WHT
CBL10-B GRN	21	21	CBL10-C GRN
16W-1007-GRN-YEL #510	22	22	16W-1007-GRN-YEL #255
39-01-2220			39-01-2221

FROM: SHEET 7, SECTION D13 — USB 3.0 — USB 3.0 — TO: SHEET 1, SECTION B5

TO: SHEET 5, SECTION L11 & SHEET 7, SECTION L12

Initial	JHM	2026.01.09	A	F	Designed: JHM	Date: 2026.01.09	REV A
DESCRIPTION	BY	DATE	REV	E			
				D			
				C			
				B			

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

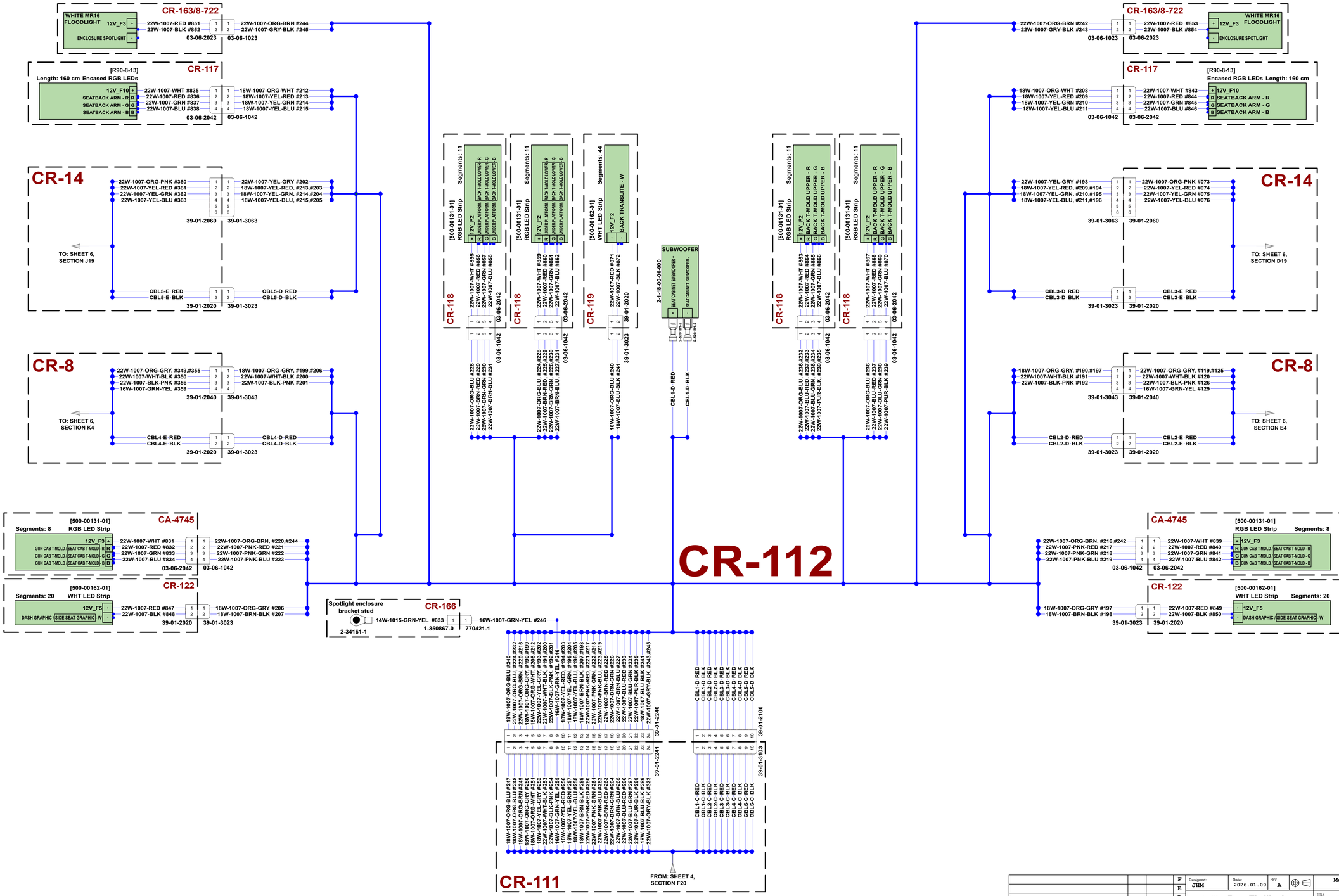
Measurements Are In: ANSI D

TITLE: Godzilla Deluxe System Diagram

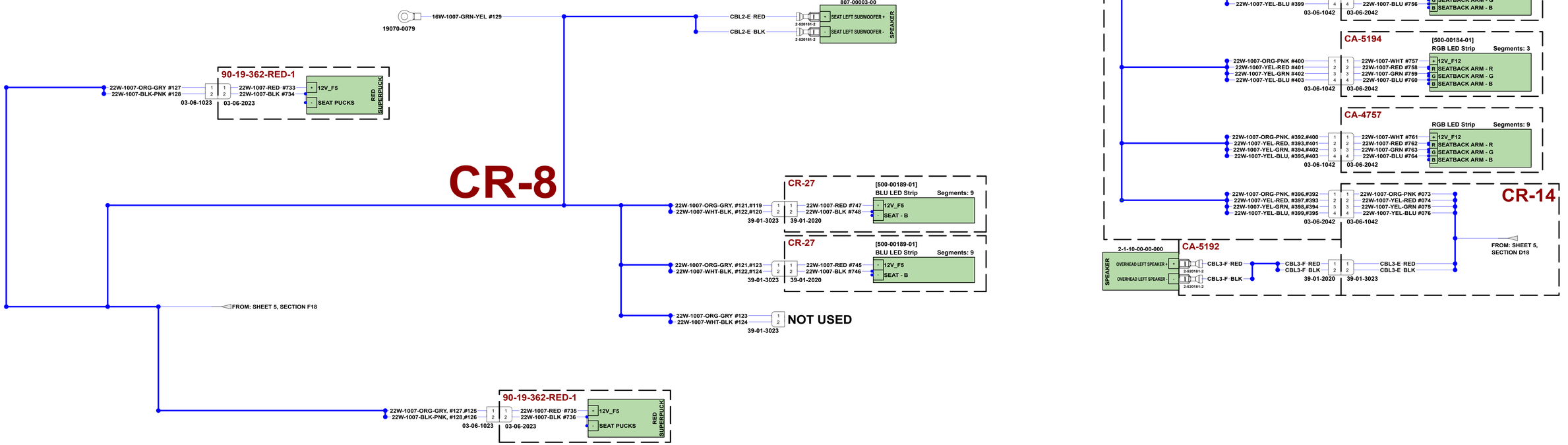
DWG

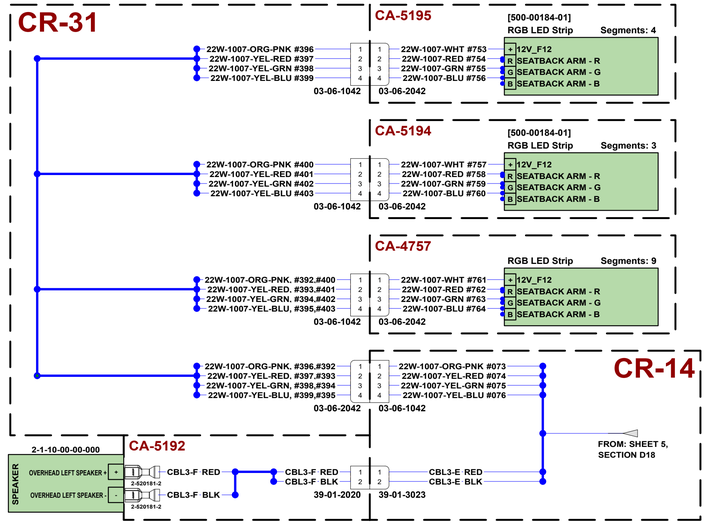
SHEET — SHEETS

SHEET 5: SEAT CABINET

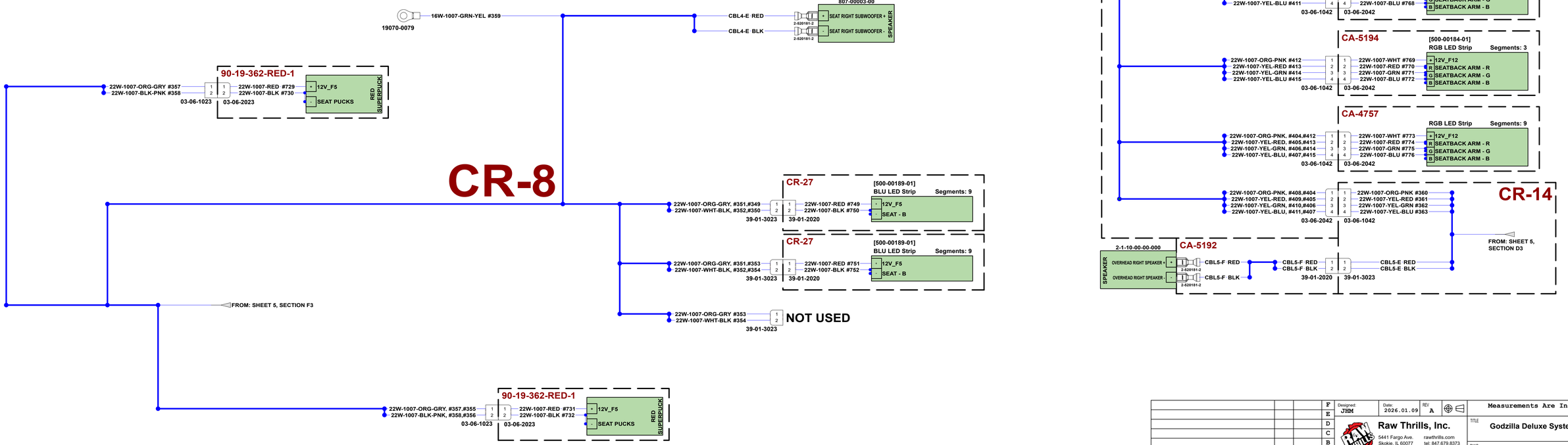


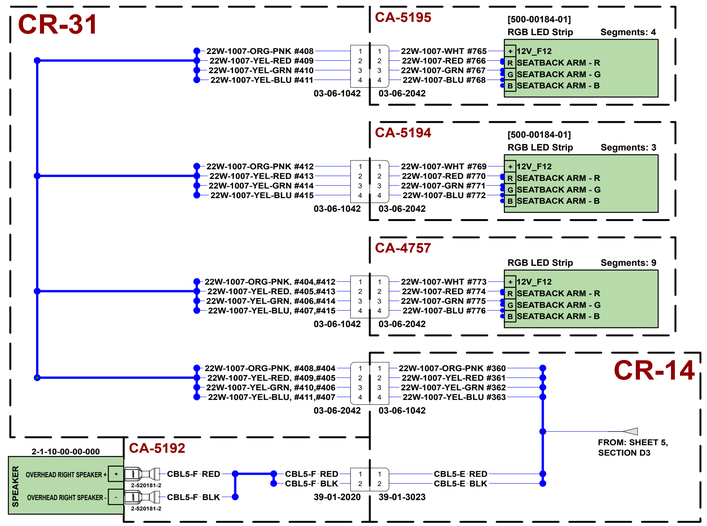
SHEET 6A: P1 SEAT + P1 SEATBACK ARM





SHEET 6B: P2 SEAT + P2 SEATBACK ARM





			F	Designed: JHM	Date: 2026.01.09	REV: A	Measurements Are In: ANSI D
			E	Raw Thrills, Inc.			TITLE: Godzilla Deluxe System Diagram
			D	5441 Fargo Ave. Skokie, IL 60077 USA	rawthrills.com tel: 847.679.8373 fax: 847.679.8538		DWG
			C				SHEET / SHEETS
			B				
Initial	JHM	2026.01.09	A				
DESCRIPTION	BY	DATE	REV				

SHEET 7: CONTROL CABINET

CR-114

CR-9

San Ace 9BMB12P2K01

18W-1007-ORG-BRN #081
18W-1007-PUR-YEL #082
22W-1007-GRN-PUR #083
39-01-3043 — 39-01-2040

RED
BLK
BRN
YEL

12V_F3
P1 BLOWER
P1 BLOWER CONTROL

FROM: SHEET 7, SECTION H13

CBL6-E RED
CBL6-E BLK
2-520181-2

2-1-10-00-00-000
FRONT LEFT SPEAKER +
FRONT LEFT SPEAKER -
SPEAKER

CR-164

[500-00131-01] RGB LED Strip
Segments: 15

22W-1007-ORG-RED #077
22W-1007-PNK-RED #078
22W-1007-PNK-GRN #079
22W-1007-PNK-BLU #080
03-06-1042 — 03-06-2042

22W-1007-WHT #781
22W-1007-RED #782
22W-1007-GRN #783
22W-1007-BLU #784

12V_F8
GUN CAB T-MOLD / SEAT CAB T-MOLD - R
GUN CAB T-MOLD / SEAT CAB T-MOLD - G
GUN CAB T-MOLD / SEAT CAB T-MOLD - B

CA-3134 (COIN DOOR) (NOT INCLUDED)

LIGHT 1 — 12V_F1, GND
COIN 1 — COIN 1 / P1-UCL:2, GND
COIN 2 — COIN 2 / P2-UCL:2, GND
LIGHT 2 — 12V_F1, GND

22W-1007-ORG, #638,#641
22W-1007-BLK, #639,#642
22W-1007-GRY-BRN #634
22W-1007-BLK #635
22W-1007-GRY-BLU #636
22W-1007-BLK, #635,#637
22W-1007-ORG #641
22W-1007-BLK, #637,#642
18W-1007-GRN-YEL #640
Coin door stub

22W-1007-ORG, #638
22W-1007-GRY-BLU #636
22W-1007-GRY-BRN #634
22W-1007-BLK #639
18W-1007-GRN-YEL #640
03-09-2092 — 03-09-1094

22W-1007-ORG-BLK, #131,#168
22W-1007-GRY-PUR #169
22W-1007-GRY-PNK #170
22W-1007-BLK, #162,#171
22W-1007-GRN-YEL #172
16W-1007-GRN-YEL #144

CA-4652 (STANDARD, METERS NOT INCL.) CA-3137 (INCL. W/ COIN DOOR, METERS INCL.)

TEST BRACKET — TEST, GND, SERVICE, VOLUME DOWN, GND, VOLUME UP, COIN METER, 5VDC

22W-1007-BLK-BLU #643
22W-1007-BLK #644
22W-1007-PUR-WHT #645
22W-1007-ORG-GRN #646
22W-1007-BLK #647
22W-1007-ORG-RED #648
22W-1007-BLK #649
22W-1007-RED #650
USB 3.0
TO: SHEET 4, SECTION K17

22W-1007-BLK-BLU #160
22W-1007-YEL-BRN #161
22W-1007-BLK, #164,#162
22W-1007-RED-PUR #165
22W-1007-RED-PNK #166
22W-1007-RED #167
03-09-1094 — 03-09-2092

22W-1007-BLK, #189,#172
22W-1007-YEL, #144,#159
16W-1007-GRN-YEL #144
16W-1007-GRN-YEL #159

L-470-4
Cashless door stud
Blower bracket stud
L-470-14 (if cashless door present)
16W-1007-GRN #895
16W-1007-GRN #896
Test bracket or vault screw

CA-4787

MOTION STOP BUTTON
LED (+)
5VDC
LED (-)
MOTION STOP LAMP
MOTION STOP
SW-NO
GND
SW-COM
2-520183-4
2-520181-2

22W-1007-RED #739
22W-1007-RED-WHT #740
22W-1007-BLK-WHT #738
22W-1007-BLK #737

22W-1007-BLK #737
22W-1007-BLK-WHT #738
22W-1007-RED #739
22W-1007-RED-WHT #740
39-01-2040 — 39-01-3043

22W-1007-BLK #084
22W-1007-WHT-PUR #085
22W-1007-RED #086
22W-1007-PNK-BLK #087

CR-114

CR-9

San Ace 9BMB12P2K01
12V_F4
P2 BLOWER
P2 BLOWER CONTROL
RED
BLK
BRN
YEL
39-01-2040 — 39-01-3043

18W-1007-ORG-GRN #092
18W-1007-RED-YEL #093
22W-1007-PNK-PUR #094

2-1-10-00-00-000
SPEAKER
FRONT RIGHT SPEAKER +
FRONT RIGHT SPEAKER -
2-520181-2
CBL7-E RED
CBL7-E BLK

CR-164

Segments: 15
[500-00131-01] RGB LED Strip
12V_F8
GUN CAB T-MOLD / SEAT CAB T-MOLD - R
GUN CAB T-MOLD / SEAT CAB T-MOLD - G
GUN CAB T-MOLD / SEAT CAB T-MOLD - B
03-06-2042 — 03-06-1042

22W-1007-WHT #819
22W-1007-RED #820
22W-1007-GRN #821
22W-1007-BLU #822

22W-1007-ORG-RED #088
22W-1007-PNK-RED #089
22W-1007-PNK-GRN #090
22W-1007-PNK-BLU #091

CR-113

UCL

12V_F1
COIN 1 / P1-UCL:2
P1 E-TKT NOTCH / P1-UCL:6
P1 E-TKT RUN / P1-UCL:8
GND
03-09-1094

22W-1007-ORG-BLK, #175,#179
22W-1007-GRY-PNK #180
22W-1007-GRN-BLU #181
22W-1007-GRN-BLK #182
22W-1007-BLK, #174,#183

22W-1007-ORG-BLK, #178,#184
22W-1007-GRY-PUR #185
22W-1007-GRN-GRY #186
22W-1007-GRN-BRN #187
22W-1007-BLK, #188,#177

12V_F1
COIN 2 / P2-UCL:2
P2 E-TKT NOTCH / P2-UCL:6
P2 E-TKT RUN / P2-UCL:8
GND

DBV

P1 DBV
GND
12V_F1
22-55-2141

22W-1007-GRY-ORG #173
22W-1007-BLK #174
22W-1007-ORG-BLK #175

22W-1007-GRY-WHT #176
22W-1007-BLK #177
22W-1007-ORG-BLK #178

P2 DBV
GND
12V_F1

CR-10

18W-1007-YEL-ORG #332
22W-1007-ORG-BLK, #335,#337
22W-1007-BLK #325
22W-1007-GRY-BRN #326
22W-1007-PNK-BRN #327
18W-1007-PNK #330
18W-1007-PUR-PNK #331
22W-1007-GRY-BLK #334
22W-1007-GRY-RED #338
22W-1007-GRY-GRN #339
22W-1007-GRY-BLU #340
22W-1007-PNK-RED #346
22W-1007-PNK-GRN #347
22W-1007-PNK-BLU #348
22W-1007-BRN-BLK #336
16W-1007-GRN-YEL #341
CBL9-E BLK
CBL9-E RED
CBL9-E WHT
CBL9-E GRN
TO: SHEET 8, SECTION E16
39-01-2200 — 39-01-2201

18W-1007-YEL-ORG #130
22W-1007-ORG-BLK #131
22W-1007-BLK #132
22W-1007-GRY-BRN #133
22W-1007-PNK-BRN #134
18W-1007-PNK #135
18W-1007-PUR-PNK #136
22W-1007-GRY-RED #137
22W-1007-GRY-GRN #138
22W-1007-GRY-BLU #139
22W-1007-PNK-RED #140
22W-1007-PNK-GRN #141
22W-1007-PNK-BLU #142
22W-1007-BRN-BLK #143
16W-1007-GRN-YEL #144
CBL9-D BLK
CBL9-D RED
CBL9-D WHT
CBL9-D GRN

22W-1007-RED #344
22W-1007-BLK #343
39-01-2020 — 39-01-3023

CBL6-F RED
CBL6-F BLK

18W-1007-YEL-PNK #145
22W-1007-ORG-BLK #146
22W-1007-BLK #147
22W-1007-GRY #148
22W-1007-PNK-GRY #149
18W-1007-WHT-PNK #150
18W-1007-BRN-PNK #151
22W-1007-PUR-RED #152
22W-1007-PUR-GRN #153
22W-1007-PUR-BLU #154
22W-1007-PNK-RED #155
22W-1007-PNK-GRN #156
22W-1007-PNK-BLU #157
16W-1007-GRN-YEL #159
CBL10-D BLK
CBL10-D RED
CBL10-D WHT
CBL10-D GRN
39-01-2201 — 39-01-2200

18W-1007-YEL-ORG #056
22W-1007-ORG-BLK, #059,#061
22W-1007-BLK #049
22W-1007-GRY-BRN #050
22W-1007-PNK-BRN #051
18W-1007-PNK #054
18W-1007-PUR-PNK #055
22W-1007-GRY-BLK #058
22W-1007-GRY-RED #062
22W-1007-GRY-GRN #063
22W-1007-GRY-BLU #064
22W-1007-PNK-RED #070
22W-1007-PNK-GRN #071
22W-1007-PNK-BLU #072
22W-1007-BRN-BLK #060
16W-1007-GRN-YEL #065
CBL10-E BLK
CBL10-E RED
CBL10-E WHT
CBL10-E GRN
TO: SHEET 8, SECTION K16

CBL7-F RED
CBL7-F BLK
39-01-3023 — 39-01-2020

22W-1007-RED #068
22W-1007-BLK #067

18W-1007-YEL-ORG #270
18W-1007-YEL-PNK #271
18W-1007-ORG-BLK #272
18W-1007-ORG-RED #273
18W-1007-BLK, #322,#274
22W-1007-GRY-BRN #275
22W-1007-GRY-BLK #276
18W-1007-PNK #277
18W-1007-PUR-PNK #278
22W-1007-GRY-RED #279
22W-1007-GRY-GRN #280
22W-1007-GRY-BLU #281
22W-1007-PNK-BLU #282
22W-1007-PUR-BLU #283
22W-1007-PUR-GRN #284
22W-1007-PUR-RED #287
22W-1007-PNK-GRN #288
22W-1007-PNK-RED #289
22W-1007-GRY #290
22W-1007-PNK-GRY #291
18W-1007-WHT-PNK #292
18W-1007-BRN-PNK #293
39-01-2241

22W-1007-BLK-BLU #294
22W-1007-YEL-BRN #295
18W-1007-BLK #296
22W-1007-PUR-WHT #297
22W-1007-BLK #298
22W-1007-RED-PUR #299
22W-1007-RED #300
22W-1007-ORG-GRN #301
22W-1007-GRY-PUR #302
22W-1007-GRY-ORG #303
22W-1007-GRY-GRN-BLK #305
22W-1007-GRY-WHT #304
22W-1007-GRN-BRN #307
22W-1007-GRN-GRY #308
39-01-2161

CBL9-C BLK
CBL9-C RED
CBL9-C WHT
CBL9-C GRN
CBL10-C BLK
CBL10-C RED
CBL10-C WHT
CBL10-C GRN
39-01-3083

CBL6-D RED
CBL6-D BLK
CBL7-D WHT
CBL7-D BLK
39-01-3043

18W-1007-ORG-BRN #309
18W-1007-ORG-GRN #310
22W-1007-BLK #311
22W-1007-GRY-BRN #312
22W-1007-WHT-PUR #313
22W-1007-PNK-BLK #314
22W-1007-PNK-BLU, #289,#315
22W-1007-PNK-GRN, #288,#316
18W-1007-PUR-YEL #318
18W-1007-RED-YEL #319
18W-1007-RED-YEL #320
22W-1007-PNK-PUR #321
16W-1007-BLK #322
39-01-3143

CBL6-E RED
CBL6-E BLK
CBL7-E BLK
CBL7-E BLK
39-01-3043

TO: SHEET 7, SECTION B1

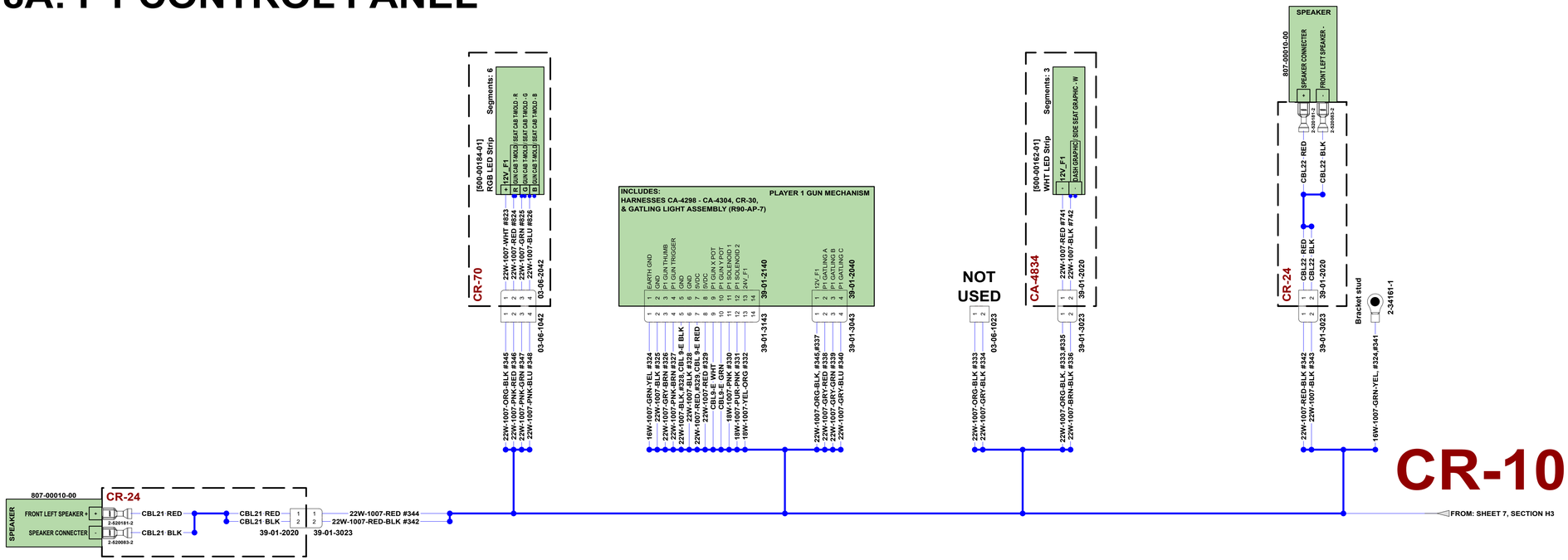
FROM: SHEET 4, SECTION F20

CR-111

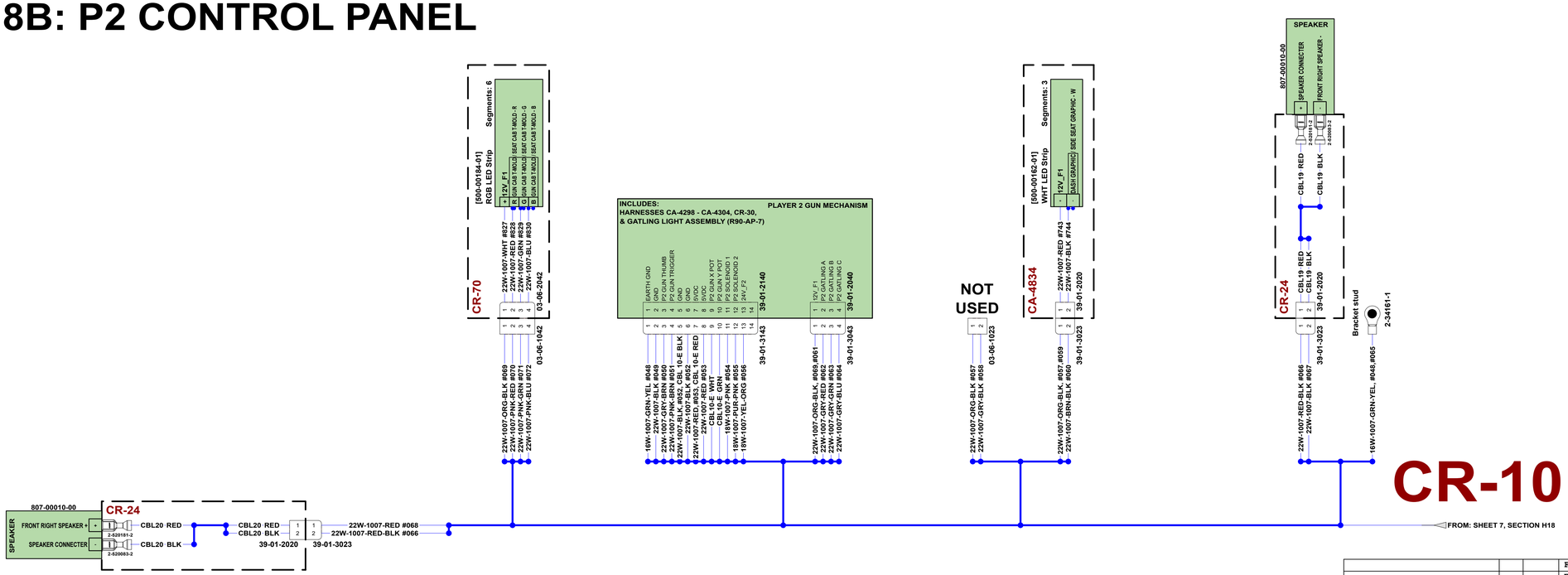
CR-114

			F	Designed: JHM	Date: 2026.01.09	REV A	Measurements Are In:	ANSI D
			E					
			D	Raw Thrills, Inc.			TITLE: Godzilla Deluxe System Diagram	
			C	5441 Fargo Ave. Skokie, IL 60077 USA	rawthrills.com tel: 847.679.8373 fax: 847.679.8538		DWG	
			B					
Initial	JHM	2026.01.09	A				SHEET	SHEETS
DESCRIPTION	BY	DATE	REV					

SHEET 8A: P1 CONTROL PANEL



SHEET 8B: P2 CONTROL PANEL



			F	Designed: JHM	Date: 2026.01.09	REV A	Measurements Are In: ANSI D
			E	Raw Thrills, Inc.			TITLE: Godzilla Deluxe System Diagram
			D	5441 Fargo Ave, Skokie, IL 60077 USA	rawthrills.com tel: 847.679.8373 fax: 847.679.8538		DWG
			C				SHEET / SHEETS
			B				
Initial	JHM	2026.01.09	A				
DESCRIPTION	BY	DATE	REV				